THE CHEMIST AND DRUGGIST

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Subscription Rate, 12s. 6d. per annum. Single Copies, 6d. each. Winter and Summer Issues, 1s each. Post Free.

Advances in Pharmacy

TRADE MARK A.D. 1715.

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"ROSETTOL" First in the Field, still holds first place amongst the synthetic Rose products.

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June 1918.

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(3) **Non-toxic even when taken internally.**
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(5) **Without interference with the phagocytic action of the leucocytes.**
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(7) **Miscible with all waters in all proportions.**
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These One-Drop Perfumes are still the best value and the quickest sellers on the market.

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What it costs you.		Your return.	
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1 „ trial tablets		1 „ @ 3d. ...	3 . 0
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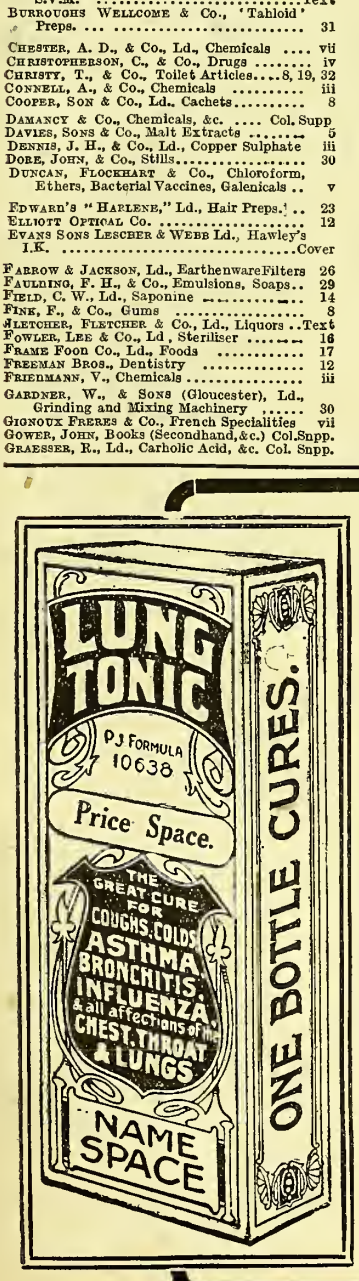

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M.P.R. 1/6

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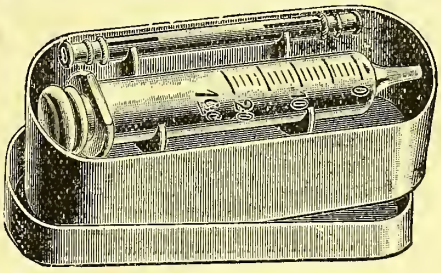

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GREASEPROOF. BRITISH MADE.
Better than the old Willow Boxes, because they are stamped out of one piece, and the bottoms cannot fall out.
MILLIONS SOLD ALREADY. REPEAT ORDERS DAILY.
Send at once for Price List (Wholesale or Export only) to the Manufacturers—
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GENUINE AMERICAN
PEPPERMINT OIL
"Columbia" Natural
"Diamond White"
Re-distilled.
Finest qualities for Druggists, Distillers and Confectioners.
Sole Consignees in United Kingdom—
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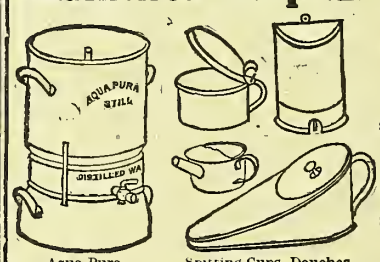

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R. W. GREEFF & CO. offer at lowest prices the following products manufactured in the United Kingdom, Allied and Neutral Countries

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Cinchonidine and Salts
Citric Acid
Cocain Hydrochlor and Puriss
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Creosote Carbonate
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QUININE and QUININE SALTS (Maarssen)

Unexcelled in Uniformity of Quality, Brilliant Crystallisation and Purity of Colour.

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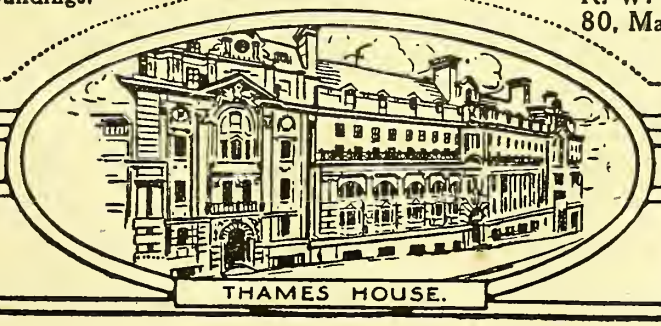

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CARAMEL COLOUR

IN POWDER.

Guaranteed Harmless.

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times the concentration of Liquid Caramel.

Sample on application.

Soluble in

WATER SPIRIT
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BLACK FOR INK.

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A combined Stain and Preservative for Wood.

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in 1/- Tins.

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MAW'S

FAMILY DOUCHE

Strong white enamelled tin, fitted with 6 feet I.R. tubing, set of vulcanite fittings, complete in carton. Entirely British.

WITH **A** QUALITY TUBING.

2-pt.	3-pt.	4-pt.
66/-	**71/-**	**78/- doz.**

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2-pt.	3-pt.	4-pt.
57/-	**62/-**	**69/- doz.**

The Family Douche is as British as

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S. MAW, SON & SONS, Ltd.
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TELEPHONE—CITY 7, PRIVATE BRANCH EXCHANGE.
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TRADE MARK

SCAMMONY RESIN

Lump or Powder.

In wholesale quantities.

MEDICINAL EXTRACTS

of all kinds, solid and liquid.

Belladonna, Hyoscyamus, etc. etc.

PRICES AND SAMPLES ON APPLICATION.

BAISS BROTHERS & COMPANY, Ltd.

Wholesale and Export Druggists, Manufacturing Chemists and Makers of Surgical Instruments.

Contractors to His Majesty's Government; the Crown Agents for the Colonies; various Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.

Grange Works, 174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.1

Drug & Herb Farm: CARSHALTON, SURREY. **Established 1833.**

MASON'S EXTRACT of HERBS

The most Refreshing, Delightful, Exhilarating, Health-giving, Economical, Thirst-quenching Beverage in the World.

THE CHEAPEST HARVEST DRINK.

MANUFACTURERS:

NEWBALL & MASON
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"Prana" Sparklets.

NOTICE TO THE TRADE.

MESSRS. AERATORS, LTD., regret that it has been, and will be for some time yet, impossible for them to meet demands for the "Prana" Sparklet Syphons and Bulbs, not only owing to other urgent war work, but also to the restricted supply of materials and the large demands (which must be considered preferentially) by the Expeditionary Force Canteens, Red Cross Society, &c. &c.

As regards "D" Bulbs, for the time being it is only possible to refill empty bulbs returned, and the Company request the co-operation of the Trade in the return of as many empties as possible for refilling.

AERATORS LTD.,
"Prana" Sparklet Works,
Upper Edmonton, N.

Mustard?

—Yes! Rigollot's Mustard Leaves for Plasters. The original and only genuine.

OF ALL CHEMISTS AND STORES IN
6d. & 1/- Packets and 1/6 Tins.

67 Southwark Bridge, London, S.E.

SAPONINE

(SOLUBLE),
MANUFACTURED BY

C. W. FIELD, LTD.,
Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

1868-1918.

"A good digestion to you all; and, once more, I shower a welcome on you; welcome all!"—*Shakespere.*

After-dinner Pills

A formula designed to stimulate the Liver and keep the Bowels comfortably active; packed in tablet bottles with screw cap for handiness.

Two styles—one the Mortar label and carton, the other the Star label and carton, both distinctive and decorative, yet in excellent taste.

The Showcards are in harmony and bear phraseology which appeals without offence. They are suitable for window, wallcase or counter display.

Prices are: - - - -	**7/6**	per dozen
Not less than 1 gross - - -	**84/-**	per gross

NAME & ADDRESS ON 3 DOZEN :: SHOWCARDS FREE.

The Star or the Mortar label can be reserved to you in your district. Write for samples and particulars!

AYRTON, SAUNDERS & CO. LTD.
LIVERPOOL

Bottling and Steam Cooking Outfits Combined.

20/-, 35/-, and 50/- each.

Each Outfit is complete with everything that is necessary to successfully preserve Fruits, Vegetables, Game, Meat, Milk, etc.

Send for List of Bottling Appliances.

We supply FITTINGS for our own and many other kinds of Bottles.

Send us a sample of any bottle, jar, rubber ring (flat or round), cover, clip, or screw band that you may require.

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(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only)

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Sister Lauras Food?

The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Price 1/- & 2/6 per tin. *Samples and advertising matter free on application.*

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

YOU ARE SAFE

in handling LORIMER'S

SANATOGEN

Not only is it the finest obtainable, but it is also the most profitable. It yields

ONE HUNDRED PER CENT.

on cost to the Retailer.

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BEEF, MUTTON and CHICKEN

possess great nutritive and restorative powers, being immediately digested and absorbed by the stomach. Although effective stimulants in physical and mental exhaustion, they contain no wine or other deleterious admixture.

BRAND & Co., Ltd., MAYFAIR WORKS, VAUXHALL, LONDON, S.W.

THE MOST ECONOMICAL INFANTS' FOOD.

TRADE MARK "FRAME FOOD"

ON P.A.T.A. LIST. SHOWCARDS FREE.

FRAME FOOD CO., Standen Road, Southfields, London.

LIQ. SANTAL FLAV. c. BUCHU et CUBEBA

(Hewlett's)

Packed for dispensing only, in 10, 22, 40 & 90 oz. bottles.

"Experience has shown this preparation to possess the same efficacy as Santal Oil itself. It mixes clear with water, and has a taste by no means disagreeable."

The Practitioner.

VIROPHOS TRADE MARK

Of proved utility in Nervous Diseases, and a powerful Restorative for the Digestive Organs and Nervous System.

A Valuable Tonic Food for Children.

"It is of high nutritive value enhanced by the presence of assimilable phosphates."—*The Lancet.*

WHOLESALE PRICES.

No. 1.	1½ oz. Tin ...	9/-	per doz.
" 2.	3¼ " " ...	14/6	"
" 3.	6½ " " ...	24/-	"
" 4.	12 " " ...	42/-	"

MIST. PEPSINÆ CO. c. BISMUTHO

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Packed for dispensing only, in 10, 22, 40 and 90 oz. bottles.

"Obviously likely to be of much advantage in the frequent cases of irritative dyspepsia, with atony of gastric or intestinal muscular layers."

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PHARMACEUTICAL PRODUCTS:

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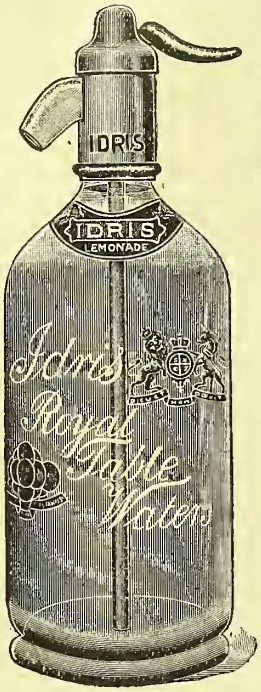
"SOLAZZI" LIQUORICE JUICE

THE CHEMISTS' BRAND.

'The Lancet' says: 'Of Standard Purity'

Recommended also by *The British Medical Journal, Health, The Chemist and Druggist, Food and Sanitation.*

Ask for SHOWCARDS and HANDBILLS. To be obtained of all Wholesale Houses.



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Royal

Table Waters

As supplied to H.M. The King.

Soda Water
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Ginger Ale

Dry Ginger Ale
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(A Delicious Tonic Beverage)
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(The Ideal Beverage)
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THE BRITISH APERIENT.

Removes depression and gives renewed vitality by clearing the blood of acidity and impurities.

A safe and mild aperient for prolonged use.

DRINK THIS PLEASANT WATER, AND ENJOY THE HEALTH THAT COMES WITH A PURIFIED SYSTEM.

TESTED AND PROVED FOR OVER A QUARTER OF A CENTURY.

In Reputed Quart Bottles.

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THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

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Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRERES

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ALL-BRITISH

NAILSTONE

defeats all others for producing a nail-sheen that will not come off despite ablutions. It never yet failed to sell in a district where shown, and to-day sales are simply phenomenal. None of our friends seem to want less than the three dozen lot.

OUR SPECIAL OFFER

is still available, namely with every three dozen we shall give half-dozen free, in consideration of a window display.

4/6 PRICE PER DOZ. | HAVE YOU SENT ALONG YOUR ORDER FOR THREE DOZEN? | CHRISTY'S OLD SWAN LANE, LONDON, E.C. 4 | P.A.T.A. EACH **7½d.**

A Safe & Indispensable Family Remedy

EUSALINE

"THE FAVOURITE HEALTH DRINK."

The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES:
Cooling
Refreshing
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Sparkling
Palatable

As a Morning Tonic EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

AN ALL-THE-YEAR SELLER. KEEPS IN ALL CLIMATES.

Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

EUSALINE is being extensively advertised during the coming months, so that a large and steady demand is assured

EUSALINE is Retailed at **1/9** per bottle; Wholesale price, **15/-** per dozen. Discount, 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, or 2 for 2½d., and **1/3** per box. Wholesale price, **12/-** per gross. Discount **15%**, plus bonus, according to quantity ordered. Carriage Paid on **£5** orders.

GEORGE WALKER & SON, Ltd.
Reid Street, Bridgeton - GLASGOW.

ESTABLISHED 1860.

DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

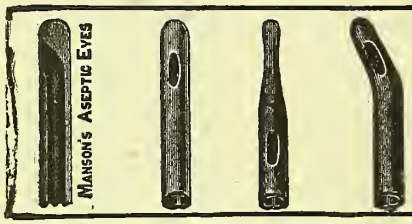
CENT. PER CENT. PROFIT.

Used Safety Razor Blades

GROUND, SET AND SHARPENED, GOOD AS NEW, ON AUTOMATIC ELECTRIC & MAGNETIC MACHINES.
SATISFACTION GUARANTEED.
Send for Showcards, supplied post free.

All razor users readily catch on to the proposition to save and re-use their old blades.
6d. PER DOZEN. RETAIL **1/-** PER DOZEN.

The Blade Sharpening Co., Lim.
35 CAMOMILE STREET, LONDON, E.C.



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WHOLESALE AND EXPORT ONLY.

Manufacturer of CATHETERS and BOUGIES, DRUGGISTS' SUNDRIES, SURGICAL RUBBER GOODS and DRESSINGS.

Ask for Price Lists.

STICKY FLYCATCHERS

Bands and Tapes.
"FLYSAC." "VIPER." "VAMPIRE."

"BIG BAT" FLYPAPERS.

"CHESHIRE" and "DAK" Birdlimes.
For Rats, Mice, etc.

"ORBITE" Banding Material.
For Fruit Trees.

SOLE MAKERS:
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Manufacturing Chemists. LIMITED.

Specialists in MEDICATED LOZENGES, PASTILLES, JUJUBES, COMPRESSED TABLETS, CAPSULES, PERLES, CACHOUS, BOILED GOODS, SALINES, &c. &c.

IMPORTERS of LIQUORICE JUICE
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—Telephone: HOP 2668—

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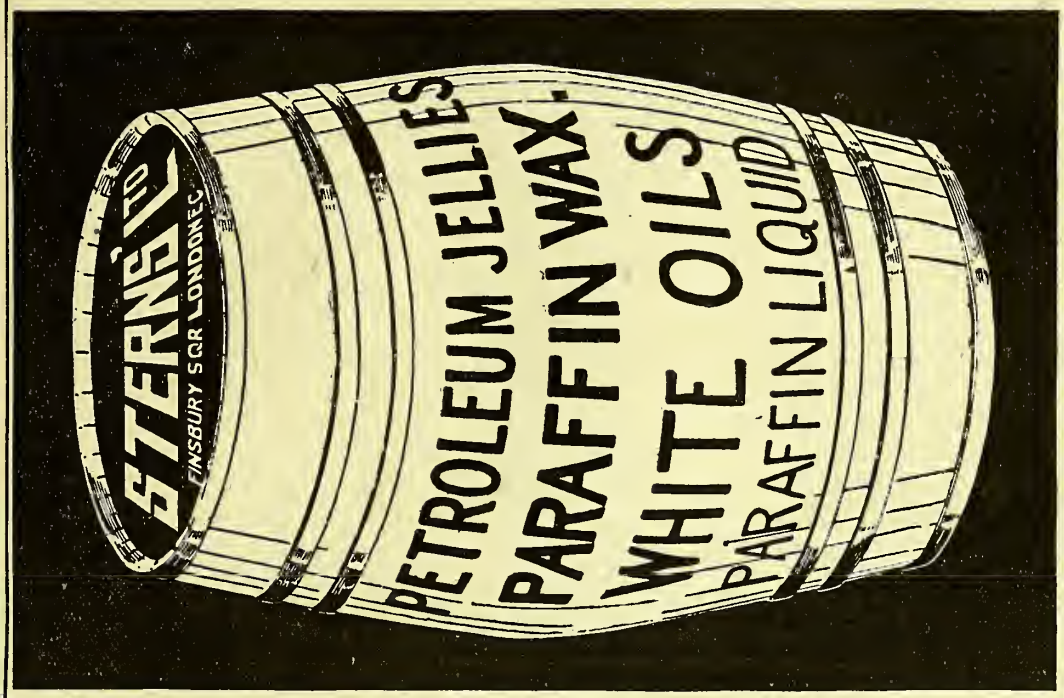
TELEGRAMS: "JACKSON-CREDITON."



STERNS LIMITED, Royal London House, Finsbury Sq., London, E.C. 2.
Telephone: 3797 LONDON WALL (4 lines). *Telegrams:* "CENTUMVIR, PHONE, LONDON" (Two words only).

TOOGOOD'S

Extract of Honey and Flowers

THE MOST POPULAR PREPARATION FOR THE HAIR ON THE MARKET.

In best quality White Flats, fitted with Sprinkler Capped, and with Blue and Gold Lithographic Labels.

2	3	4	6	8	10	14 ounces.
13/-	17/-	21/-	28/-	35/-	44/-	60/- dozen.

Customer's name on 3 Dozen assorted.

MANUFACTURED ONLY BY—

WILLIAM TOOGOOD, Ltd., 77 Southwark St., London, S.E. 1

WHOLESALERS! *WHY* KEEP YOUR CUSTOMERS WAITING?

"Awaiting supplies; kindly re-order."—A recent reply from a Wholesaler.

A short time ago some Retailers informed their Customers that Pomeroy Skin Food was not now obtainable. How such an impression got about, we do not know; it is very, very far from the truth.

Now we hear of a Wholesaler writing his Customer as quoted above: "Awaiting supplies; kindly re-order." The solution of the trouble in this case is easy—the Wholesaler had allowed his stock to get too low.

There is a far larger demand for Pomeroy Skin Food nowadays, and there is greater difficulty in producing it and in delivering. But goods are dispatched still within three or four days of receipt of order, which, after all, is not a matter for complaint. However, if Wholesalers will look to their stocks and keep a little ahead of requirements, there need not be any delay in executing Chemists' orders.

POMEROY SKIN FOOD

YOUR ORDERS can be filled from the Pomeroy Laboratories in less than a week.

Mrs. POMEROY, Ltd., 115 Harwood Road, Walham Green, London, S.W. 6

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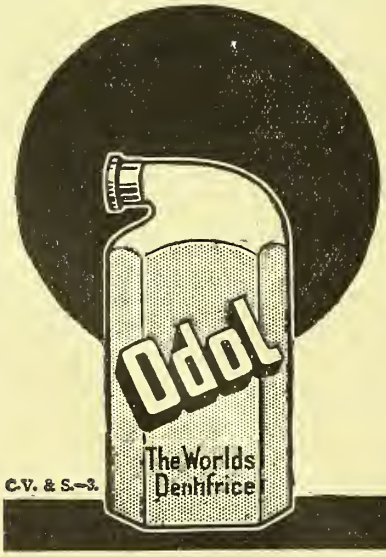
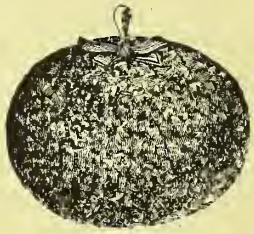


C.V. & S.—3.

Send for Price List and Trading Terms.

ODOL
Chemical Works, BERKHAMSTED.



FOR

Powder Puffs

OF EVERY KIND.

SOLPORT BROTHERS

LIMITED,

Wholesale and Export Manufacturers of Druggists' Sundries and Toilet Accessories,

184 to 190 GOSWELL ROAD
LONDON, E.C. 1.

Miss PHYLLIS DARE Enthusiastically Recommends

"Harlene Hair Drill"

In these War times it is indeed a pleasure to reproduce the photo of one of the many thousands of popular adherents to "Harlene Hair Drill." Not only throughout the British Empire, but in all our Allied countries, "Harlene Hair Drill" has always been extremely popular, and the products of Edwards' Harlene, Ltd., have always received a most cordial welcome from the public.

TO-DAY, in response to the Press announcements of Edwards' Harlene, Ltd., the demand for their products is wider than ever, and no Chemist or Store can afford to be without this unique line of toilet preparations.

"HARLENE" FOR THE HAIR.
"ASTOL" FOR GREY HAIR.
"UZON" BRILLIANTINE.
"CREMEX" SHAMPOO POWDERS.
"ASTINE" VANISHING CREAM.
"ASTINE" SHAVING STICK.
"ASTINOL" AROMATIC FLUID.

FOLLOW THE TIDE OF SUCCESS.

Watch the Great Free Gift Advertising Campaign that brings the customers to your shop.

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd.
20, 22, 24 & 26 LAMB'S CONDUIT ST., LONDON, W.C.1.

[*Photo: Rita Martin*

Miss PHYLLIS DARE, the charming exponent of Musical Comedy, says:—

"I am more than gratified with the unfailing good results of 'Hair Drill,' and this opinion is shared by many of my friends.

"It is, indeed, a pleasure for me to add my evidence to that of the thousands of others. I feel confident that beautiful hair is only a matter of careful attention, and the correct attention is undoubtedly 'Harlene Hair Drill.'"

'KO-TAL-KO'

CERTAIN IN RESULTS and CERTAIN IN SALES

THE PUBLIC WANT IT

For strong advertising has taught them its merits, and practical experience has proven its claims. "KO-TAL-KO" is the strongest recommended hair preparation on the market, and this, in conjunction with my widespread publicity, is the best of all reasons why

YOU SHOULD STOCK IT.

Apart from quick and ready sales my trade prices allow of a fair profit to you. "KO-TAL-KO" is always on the move, never cumbers the shelves long, and is a business asset of the highest value for your repeat orders are always warranted.

IT PROFITS EVERYONE.

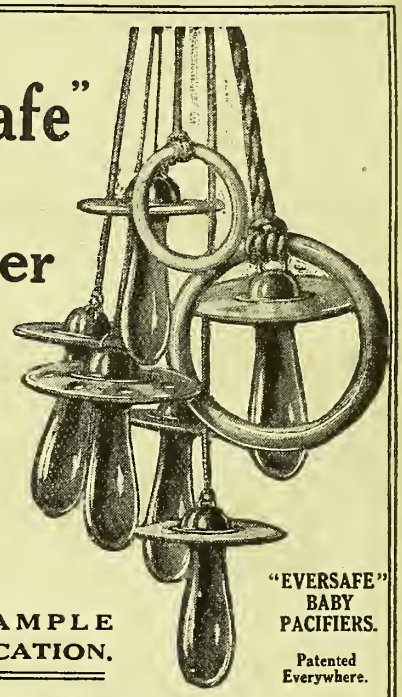
"KO-TAL-KO" does justice to me, to you and to the public, and every Chemist and Druggist should order a supply.

RETAIL PRICE P.A.T.A. 5/- Size 12/6 ,,

ORDERS AND DETAILS FROM **J. Hart Brittain** (Dept. C.D. 2). Ltd 2 PERCY ST., LONDON, W.1.

TRADE PRICE 48/- per doz. 112/6 ,,

The "Eversafe" Baby Pacifier



Our Manufacturing facilities being considerably increased we have the pleasure of inviting orders for prompt delivery.

FREE SAMPLE ON APPLICATION.

"EVERSAFE" BABY PACIFIERS. Patented Everywhere.

Trial Orders, minimum value 13/3, Cash with Order, Carriage Paid, U.K.

F. SCHUTZE & CO., LTD.
BLACK BULL WORKS - LONDON, N.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.) for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—
C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E. 1.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants, Manufacturing Chemists

HULL.

INVITE the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A.	Protected Retail Price.	Dozen Net.
*LOSALL'S SALT (well advertised), tins	9d.	6/6
* " " " " "	1/6	13/-
* " " " " bottles in cartons	2/-	16/-

**Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.*

LOSALL'S COMPOUND SULPHUR SOAP.

	Box.	Doz.
A valuable emollient medicated skin soap, especially suitable for use in Eczema. 3 Tablets in a box @ 8d.	2/-	18/-

"ALLEN'S"

NEW SEASON'S

GREEN

EXTRACTS, &c.

WILL BE READY SHORTLY.

EXT. BELLADON. VIRIDE, P.B. 1898
" HYOSCYAMI VIRIDE, P.B. 1898
" BELLADON. SICCUM, P.B. 1914
" HYOSCYAMI, P.B. 1914
" HYOSCYAMI (1st Year)
FOL. HYOSCYAMI BIENN. (2nd Year)
" BELLADONNÆ ELECT

Prepared from Herbs which grow on their own farms. As the fields surround the factory the Herbs arrive for treatment with all their medicinal properties unimpaired by delays in transit.

"ALLEN'S EXTRACTS" ARE THE RESULT OF 80 YEARS' SKILL AND EXPERIENCE.

STAFFORD ALLEN & SONS,

LIMITED,

COWPER STREET, FINSBURY, LONDON, E.C. 2.

And Long Melford, Suffolk.

Telegrams: "Persic, Finsquare, London."

Telephone: London Wall 6556 (3 lines).

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ESTABLISHED 1865.

7 India Street, Crutched Friars, London, E.C.

supply GLASS AMPOULES, TUBES and LAMP BLOWN ARTICLES

OF EVERY DESCRIPTION. PROMPT DELIVERY.

DIRECT FROM THE WORKS. :: WHOLESALE & EXPORT.

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GLASS BOTTLES

TREBY ST. (late Carter St.),
Maplin St., Mile End, London, E.

ESTABLISHED 1840. Telegrams: "YOULDON, BOWBUR, LONDON." Telephone: EAST 132.

"TOWER" EARTHENWARE FILTERS

Sizes from 1 Gallon to 10 Gallons.

Specially suitable for

ACIDS, ESSENCES, AND PHARMACEUTICAL PREPARATIONS.

"FARJAK" ASBESTOS FILTERING MEDIUMS

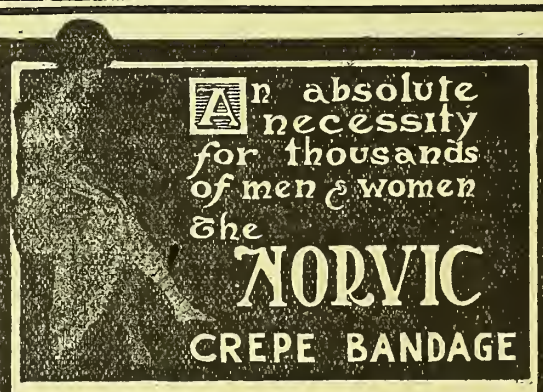
for use with the above—Pure and Neutral.

Filling, Corking, and Capsuling Machines.

FARROW & JACKSON, LTD.

ESTABLISHED 1798.

16 Great Tower St., LONDON, E.C. 3.



Superior English Manufacture.

Extremely elastic, but contains no rubber. Fast woven edges.

Invaluable for binding. Displaces rubber and elastic web. More durable and one-third the cost. The Norwich Crepe Bandages, containing wool, provide warmth and do not absorb grease readily. Self-clinging and self-adjusting. Perfectly cleansed, sterilised, and resiliency entirely restored by washing in hot soft water (with addition of a little soap). The edges will not fray out nor ravel. Made and supplied to the leading wholesale houses, neatly wrapped in labelled packages. Commended by the medical and nursing professions. Send for prices and samples to the sole manufacturers:

The NORWICH CRAPE CO. (1856) Ltd.
St. Augustine's Silk Mills, NORWICH, ENG.

Provincial Selling Agents:
Freese & Moon, Ltd.,
59 Bermondsey Street,
London, S.E. 1.

London buyers can obtain samples and prices from Mr. T. Eastaway, London Representative, 7 Wool Exchange, E.C.2

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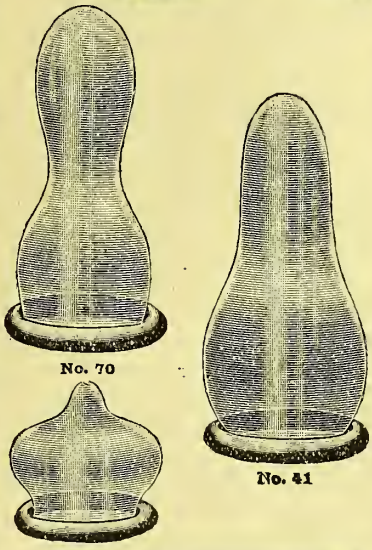
SUPPLY CHEMISTS, DRUGGISTS, PHARMACISTS, STORES AND INSTITUTIONS

with the well-known OYLER super quality of



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THROUGH the WHOLESALE ONLY.

OUR perfect designs and improved manufacturing methods make these Bottle Nipples and Teats for Baby Soothers the most perfect obtainable, without equal for quality, durability and satisfactory service. Toughest; most flexible and most transparent; stand boiling; easiest to clean and sterilise; best for tropical climates.

Wholesalers, Factors & Export Houses are invited to apply for exclusive Territories now being allotted, with up-to-date Advertising Advantages.

Retailers should write for List, Name of Local Wholesaler, and Counter Showcard of samples.

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Wires: "Oylerism, Wesdo, London." Phone: Mayfair 681.

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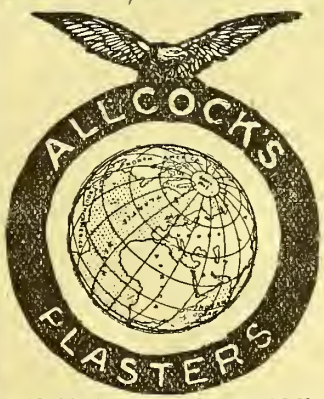
ESTABLISHED 1847.

Allcock's PLASTERS

A REMEDY OF 70 YEARS' STANDING.

Allcock's Plasters
Allcock's Corn and Bunion Plasters
Brandreth's Pills
The Three Reliables.



Prices and Terms on application to
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22, Hamilton Sq., Birkenhead, England.

"Sold all round the World."

ROBT. BAILEY & SON,

SOLE PROPRIETOR: A. BAILEY.

Marriott Street Mills, STOCKPORT.

Telephone No. STOCKPORT 694. Telegrams: "UNDISPUTED STOCKPORT."

MANUFACTURERS OF

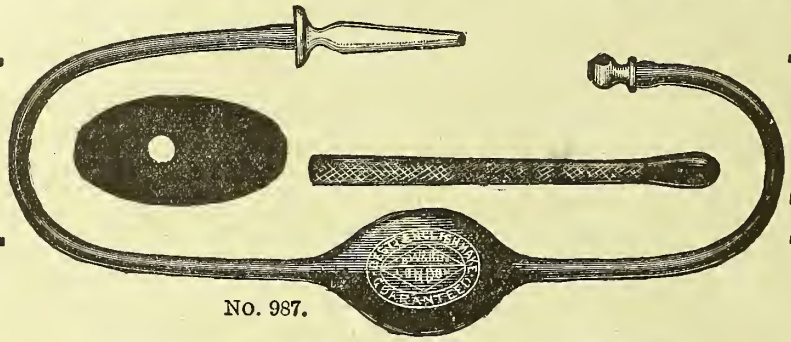
SURGICAL DRESSINGS
ABSORBENT GAUZE TISSUE,
COTTON WOOL, BANDAGES.
LINT, TOW, &c.
PATENT FOUR-PLY GAUZE.
SANITARY TOWELS.

BRITISH MADE AND BRITISH OWNED.

WHOLESALE ONLY. Write for Samples and Prices.

SEAMLESS ENEMAS.

Per Dozen **27/-**



Per Dozen **27/-**

No. 987.

GUARANTEED FOR 2 YEARS.

		s.	d.
No. 987.—The "**B.E.M.**" (best English make) with bone rectal pipe, etc., complete in superior card box, per doz.		27	0
,, ,, in leatherette dome-top case	,,	30	0
SPECIAL LINE, red, unpolished, in card box	,,	26	0
,, 988.—The "**EMPIRE,**" black polished, in card box	,,	24	0

We are the right House for BRITISH-MADE GOODS—Anti-Rheumatic Rings, Bandages, Belts, Catheters, Combs, Enemas, Elastic Hosiery, Hot Water Bottles, Trusses, Splints, Water and Air Beds, Water and Air Cushions, Waterproof Sheeting, and every description of Rubber Goods.

ILLUSTRATED PRICE LIST POST FREE. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED.

BURGE, WARREN & RIDGLEY, LTD.,

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.

RENDELL'S

SOLUBLE QUININE PESSARIES.

THE WORLD-WIDE REPUTATION that these Pessaries have obtained since their invention by W. J. Rendell in 1885 has induced unscrupulous persons to place upon the market worthless and injurious compounds, with colourable imitations of W. J. Rendell's labels. To distinguish the genuine Pessaries from these fraudulent concoctions, see that the Registered Trade Mark and Number, in ***RED INK***, are upon each box thus:

Registered Trade Mark, ☛ without which none are genuine. No. 182,688.

W. J. Rendell No. 182,688

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

☛ IMPORTANT NOTICE AND CAUTION. ☚

Several injunctions in the High Court of Justice having already been obtained (reports of which have appeared in "THE CHEMIST AND DRUGGIST"), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of W. J. RENDELL," "RENDELL,"-or any colourable imitation thereof in connection with Pessaries NOT manufactured by

W. J. RENDELL,

INVENTOR AND SOLE MAKER,

15 CHADWELL STREET, CLERKENWELL, LONDON, E.C.

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

LYMANS, Limited

ESTABLISHED 1800

344 St. Paul Street

MONTREAL.

Correspondence solicited with Firms and Corporations desiring to extend their business in Canada.

More Customers

The Beverage

of Health

Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window—it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.

The Watford Mfg. Co. Ltd.
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Vi-Cocoa

Solyptol Soap

A high-grade Toilet Soap of marked Antiseptic properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
Heals cuts & abrasions.
Invaluable in the Nursery.

TOILET SOAP in 3-tablet boxes.

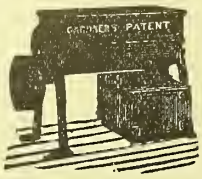
SHAVING STICKS, each in a carton, packed half-dozen in a display case, with protecting sheath.

F. H. FAULDING & CO., 54 Gt. Tower St., London, E.C. Adelaide, Perth, Sydney, Australia.

Stocked by all Patent Medicine Vendors and the Principal Stores.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS



OVER 5,300 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust

FOR HAND OR POWER.

From 55/- to £90.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER.

Sound Corks

Sound as the Pyramids.

Trade-marked in this way so that their predominating qualities may "stand out" more than ever. You try them and see! And if you're not satisfied send them back and get your money.

PYRAMID TRADE MARK

Pyramid Corks - the kind that stand the test. Write to-day, please

N. W. Mitchell & Sons, Ltd.,
The Cork Firm, London, E.14.

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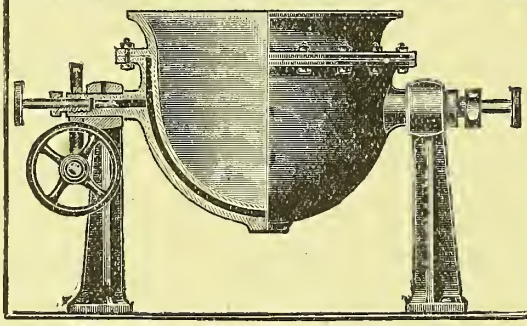

Suitable for all Temperatures and Pressures.

DANTO ROGEAT & CIE,

33-39 Chemin des Culattes, LYONS, France.

Suppliers before the War to the largest European Manufacturers of Chemical Products.

Write for Price List to Sole Representative:

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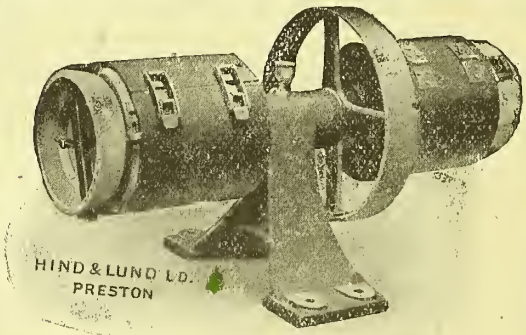
Tel.: Willesden 1752.

BALL GRINDING MILLS

IRON CYLINDERS, PORCELAIN OR QUARTZ-LINED. BATTERIES OF JARS FOR SMALL QUANTITIES. FLINT PEBBLES, PORCELAIN, BRASS, STEEL OR HARDWOOD BALLS. ALSO SPARE PORCELAIN JARS AND CHILLED IRON LINERS SUPPLIED.



See our previous advertisements.

BRITISH MADE THROUGHOUT.

INQUIRIES FOR ALL CLASSES OF MACHINERY FOR CHEMICAL WORKS HAVE PROMPT ATTENTION.

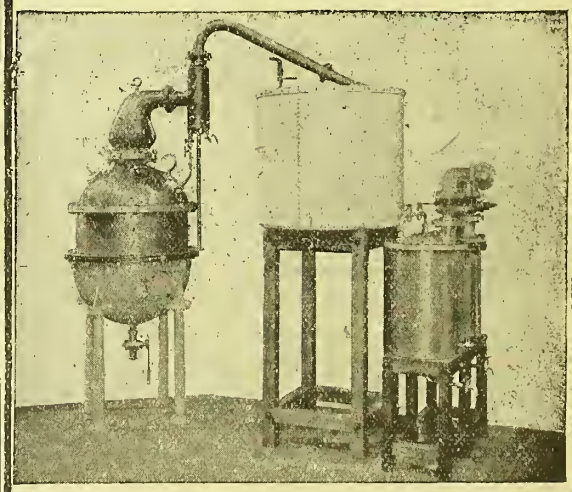
HIND & LUND, LTD.

ATLAS WORKS, PRESTON.

Telegrams: "Atlas Preston." Telephone: No. 125. (4)

COPPER

Vacuum Distilling Apparatus



COPPER VACUUM STILLS

for FINE CHEMICALS, ESSENTIAL OILS, MALT EXTRACTS, Etc. Etc. Etc.

JOHN DORE & CO.

Distillers' Engineers & Coppersmiths,

28-30 HIGH STREET, BROMLEY, E. 3.

FAVOURABLE PRICES

TRADE MARK **'TABLOID'** BRAND

Phenacetin

Exceptionally pure and active. Prepared with the scientific accuracy and precision characteristic of BURROUGHS WELLCOME & Co.

STRENGTH	*Per doz. Ovals of 25*	*Per doz. Bottles of 100*
Gr. 1	6/0	18/0
Gr. 5	16/0	54/0
0·1 gm.	8/0	24/0
0·25 gm.	14/0	42/0
0·5 gm.	24/0	72/0

'TABLOID' BRAND Phenacetin Compound

Each product contains Phenacetin, gr. 4, and Caffeine, gr. 1.

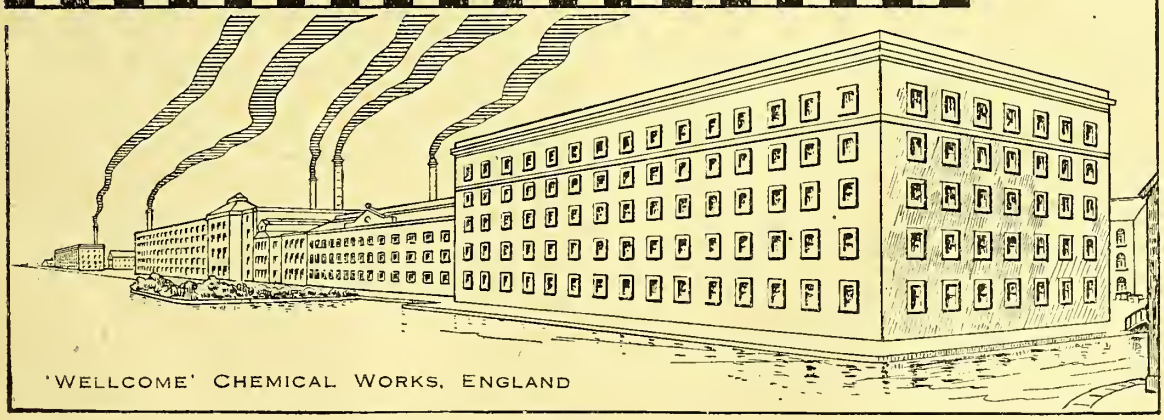
No. 2 (metric product) contains Phenacetin, 0·25 gm. and Caffeine, 0·05 gm.

Per doz. Ovals of 25 16/0

Per doz. Bottles of 100 54/0

All the above prices are subject

BURROUGHS WELLCOME & CO., LONDON



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HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care, in the greatest chemical purity by
Messrs. THOMAS & WILLIAM HENRY, 11 East Street, St. Peter's, Manchester.
And is sold in Bottles, authenticated by a Government Stamp, bearing their name. Trade Mark, "Henry's Calcined Magnesia."
PRICE 4s. 6d. or 2s. 9d

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SACCHARINE. "EMPIRE" BRAND.

550 INSOLUBLE, GUARANTEED U.S.P.

Manufactured by the most completely equipped and modern Saccharine plant in the United States of America.

K. MALMBERG, 110 Cannon Street, London, E.C. 4; and New York.
Telephone—City 6321. Telegrams—"Obtempero, Cannon, London."

"Mr. Benger's admirable preparation."
The LANCET.

BENGER'S Food

For INFANTS, INVALIDS and the AGED.

Supplies of Benger's Food.

Messrs Benger regret that it is not possible, at present, to meet the demand in full. If Retailers having difficulty in obtaining what is required, will furnish the name of their usual Wholesalers, steps will be taken to provide, through them, a small supply with as little delay as possible, to meet pressing needs.

Urgent requests from Physicians & Hospitals receive prompt attention.

BENGER'S FOOD LTD., Otter Works, Manchester. 54

CHRISTY'S COLD CREAM

IN THE TWO-GREEN CARTON

NEVER BECOMES RANCID

NEVER LETS YOU DOWN

QUALITY

Makes repeat orders easy, never separates, perfectly smooth, gritless and safe. Because it never lets our friends down is the reason why it is in such constant demand. In short, it's judged

SUPERFINE

PRICE

in No. 7 tin tubes, each in the "two-green" carton, is 4/6 per doz., and is on the P.A.T.A. at 7½d. therefore it is well worth while. No Cold Cream of equal standing brings so much business or is so

REMUNERATIVE

SEND YOUR ORDER TO
4/12 OLD SWAN LANE
LONDON, E. C. 4.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of many Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

SUBSCRIPTION RATES.
Twelve Shillings and Sixpence a year in advance, post free to any part of the world, including a copy of *The Chemist and Druggist Diary* next published. Subscriptions may begin any month. Single Copy, 6*d.*; Summer or Winter Number, 1*s.*; *Diary* 3*s.* 6*d.* Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12*s.* 6*d.*, franco.

Подписная цѣна на еженедѣльный журналъ съ приложеніемъ Годового Дневника—12 шиллинговъ 6 пенсовъ на годъ съ пересылкой.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 12 ch. y 6 peniques, franco.

Terms for advertising in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the
Head Office: 42 CANNON STREET, LONDON, E.C.4.
Telegrams: "Chemicus, Cannon, London." Telephone 3617 Central (three lines).
Branches: MELBOURNE AND SYDNEY, AUST.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Sunday, June 23.

United Arts Volunteer Rifles, "D" Company (Pharmacists), Imperial College Union, South Kensington, London, S.W. 7. At 10 A.M., company parade. Men detailed on company notice-board will parade at Fenchurch Street Station at 9.40 A.M. for musketry at Rainham. (June 25 at 8.30 P.M., N.C.O.s' class; June 26 and 27 at 3 P.M., platoon parades.)

Tuesday, June 25.

South-West London Pharmacists' Association, Stanley's Restaurant, Lavender Hill, London, S.W., at 8.30 P.M. Annual general meeting.

Wills.

MR. ALFRED COOPER COLE, Ph.C., Comarques, Lenham Road, Lee, who died on April 16, left estate of the gross value of 13,317*l.* 11*s.* 11*d.*, with net personalty 12,026*l.* 4*s.* 5*d.*

MR. JOHN DAWSON FOX, North Street, Bingley, late of John D. Fox & Sons, wholesale druggists, who died on January 14, left estate valued at 2,132*l.* 12*s.* gross, with net personalty 636*l.* 16*s.* 4*d.*

MR. THOMAS ALEXANDER COOK, 15 Monkhams Avenue, Woodford, Essex (Chairman of Edw. Cook & Co., Ltd.), who died on May 8, left estate valued at 7,902*l.* 6*s.* 10*d.* gross, with net personalty 3,482*l.* 5*s.* 1*d.*

European War News.

Import and Export Notices.

ARGENTINA.—By Government decree, dated February 19, the export of gold, silver, platinum, castor oil, and castor-oil seed has been prohibited.

Hydrogen Order.

The Admiralty has issued an Order regulating the manufacture, sale, or supply of compressed hydrogen in the United Kingdom, in which it is stated that

(1) No person or company manufacturing or supplying compressed hydrogen shall sell or supply the same otherwise than to such persons or companies and in such quantities as the Deputy Controller for Armament Production shall from time to time direct.

(2) All persons and companies manufacturing or supplying free or compressed hydrogen for sale or for their own use or as a by-product are required to furnish the particulars specified in the Schedule to this Order within fourteen days from the date hereof, and shall thereafter render such full and accurate returns relative to their manufacture, sales, or supplies as the said Deputy Controller for Armament Production shall from time to time direct.

(3) All persons and companies requiring to purchase hydrogen shall render such full and accurate returns as the said Deputy Controller for Armament Production shall from time to time direct.

The Schedule referred to is as follows:

1. Type of plant, manufacture, and process used.
2. The address and locality in which plant is situated, and what facilities for transport of compressed hydrogen exist or are in contemplation.
3. Amount of free hydrogen produced per week, stating how many hours the plant is working per week of seven days.
4. Maximum possible amount of free hydrogen which can be made by the plant, stating how many hours worked per week of seven days.
5. Total amount of hydrogen consumed at works, and for what purpose. Total amount of hydrogen disposed of, to whom it is supplied, and for what purpose.
6. Purity of hydrogen produced, stating what impurities exist and in what quantities.
7. Number, type, and free gas capacity of hydrogen compressors, stating what type of power is used to drive them, to what pressure they are capable of compressing hydrogen, and how many hours per day and week of seven days each compressor is being worked and/or is capable of being worked.

Personalia.

PRIVATE W. FLANAGAN, King's (Liverpool Regiment), is a prisoner of war. In civil life he was with W. Crowther & Sons, manufacturing chemists, Gomersal.

LANCE-CORPORAL ALLINSON, Northumberland Fusiliers, is reported wounded and missing. In civil life he was with Joseph Crosfield & Sons, Ltd., Warrington.

WE REGRET TO HEAR that Major F. Graham Lescher, M.C., R.A.M.C. (brother of Mr. T. Edward Lescher), is officially reported missing on the French Front.

PRIVATE WILLIE ILLINGWORTH, West Yorkshire Regiment, is officially reported missing. In civil life he was with Reynolds & Branson, Ltd., chemists and wholesale druggists, Leeds.

SERGEANT RUPERT WEIGHT OLDLAND, R.A.M.C., Ph.C., who is serving with the Egyptian Expeditionary Force, has been awarded the Meritorious Service Medal, and has been mentioned in despatches.

PRIVATE C. R. PADLEY, K.O.Y.L.I., previously reported missing (*C. & D.*, May 11, p. 34), has written to his father, Mr. F. R. Padley, chemist and druggist, Wooler, informing him of his capture by the Germans.

SERGEANT GEORGE WILLIAM SMITHSON, R.E., chemist and druggist, is home on leave at Swineshead. Sergeant Smithson is attached to the laboratory section of his corps, and is engaged in the preparation of certain chemicals.

THE FOLLOWING PRISONERS OF WAR joined the Army from the staff of Joseph Crosfield & Sons, Ltd., Warrington: Sergeant Peter Longshaw, South Lancashire Regiment; Private John Kay, Machine Gun Corps; and Private James Nolan.

LIEUTENANT F. J. MALLETT, M.C., R.E., has been awarded a bar to the Military Cross. Lieutenant Mallett, who is a son of Mr. T. J. Mallett, chemist and druggist, 66 Victoria Park, Cambridge, has but recently received his M.C. (*C. & D.*, May 11, p. 33).

SECOND-LIEUTENANT R. LANE-HALL is reported as missing since May 27. Second-Lieutenant Lane-Hall is a director of R. Lane-Hall & Co., Ltd., export merchants and manufacturers, Lloyds Avenue, London, E.C.

PRIVATE A. J. GUTHRIE, Royal Scots, previously reported missing (*C. & D.*, May 11, p. 33), is a prisoner of war. His younger brother, Gerald, reported dangerously wounded (*C. & D.*, June 15, p. 33), is improving. Both are sons of Mr. A. D. Guthrie, chemist and druggist, Leith.

MR. T. O. DAVIES, Medical Hall, Cefn, Ruabon, informs us that the announcement (*C. & D.*, June 15, p. 39) that his son, Lieutenant Brinley O. Davies, has been killed is unfounded. Nothing has been heard of him since he was reported missing in April. We much regret having given publicity to an incorrect report.

MAJOR HORACE R. HASLETT, Royal Irish Rifles, is officially reported missing. Major Haslett is a son of the late Sir James Haslett, M.P. (J. & J. Haslett, Ltd., wholesale druggists, Belfast), a former President of the Chemists' and Druggists' Society of Ireland. He went out to the Front in 1915, and has twice been wounded (*C. & D.*, 1917, p. 588).

SECOND-LIEUTENANT L. J. SPILSBURY, R.E., has been awarded the Military Cross for gallantry. Second-Lieutenant Spilsbury is the younger son of Mr. James Spilsbury (John Richardson & Co. (Leicester), Ltd., manufacturing chemists). He was educated at Rugby and Emmanuel College, Cambridge, and relinquished an important position in 1916 to enter the Army.

PRIVATE J. A. HAYES, R.A.M.C., the proprietor of retail businesses at 1 St. Ann's Road, Notting Hill, London, W. 11, and 523 King's Road, Chelsea, S.W. 10, is in hospital in the West of England suffering from arthritis and septic hip. Private Hayes left England for Egypt in November 1917, in company with thirty-one other dispensers, and had been on service there only six weeks when he was seized with his present illness. His health is now improving.

CAPTAIN GEORGE WILLIAM HARRIS, R.A.M.C., has for the third time been mentioned in despatches—on this occasion for distinguished services in Salonika rendered between September 1917 and February 1918. The battalion to which Captain Harris belongs has had the misfortune to lose its mascot, a dog named "Jack," which was accidentally shot on March 19. Jack was mobilised on the outbreak of war, went out to France in December 1914, and after passing through heavy battles was taken to Salonika at the end of 1915. Captain Harris, who served in the Territorials as long ago as 1910, is known in civil life as Mr. George William Harris, Ph.C. (Walker & Harris, Ltd., chemists, Canterbury). His military record is more fully outlined in the *C. & D.*, 1916, p. 819.

CAPT. G. W. HARRIS.

MR. J. A. SYMONDS, chemist and druggist, Upper Brook Street, Ipswich, has received an interesting letter from Corporal W. K. Southgate, R.A.M.C., an ex-apprentice of his now on active service in Palestine. We extract the following passage: "You will be interested to know that there are chemists' shops in Palestine. . . . I came across one at Ramleh, which is a fair-sized town at the junction of the Jerusalem and Jaffa railways. The shop itself was built more or less after the European style; its proprietor was a Greek, who spoke bad English, but Arabic fluently, so between the two I managed to carry on some sort of conversation. He was very affable, and showed me round what he called his laboratory. It was rather a tumble-down sort of a show—a few tincture-presses, broken beakers, and mortars furnished most of his equipment. A good deal of the chaos, so he explained, was due to 'Johnny Turk.' The drugs which he had in stock were mostly German, but I noticed, placed prominently in the foreground, a Burroughs Wellcome case well stocked with 'Tabloid' products. He had an out-of-date Squire's 'Companion,' which he held with great affection, and was very careful to see that I replaced."

Miscellaneous.

Y.M.C.A. FUND.—Mr. Herbert Brown, Secretary of the Christmas and New Year Appeal of the Young Men's Christian Association, informs us that of a total of 463,177*l.* 7*s.* 6*d.* received from all trades, the sum of 1,137*l.* 4*s.* 2*d.* was obtained from the drug and chemical trade.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

ASHTEAD.—Mr. B. C. Browell, chemist and druggist, Ashtead and Dorking, was granted further exemption for six months. (Corrected notice.)

BATH.—On review, the exemptions of Messrs. D. A. Evans, chemist and druggist (Steele & Marsh), and H. Norris, chemist and druggist, were confirmed; those of Messrs. F. E. Cooper, chemist and druggist (Tylee & Cooper) and H. J. Bryant, assistant with Bright & Pryke, were withdrawn, calling-up to take effect on August 6; that of Mr. T. J. Hughes, assistant with Steele & Marsh, was withdrawn, a fortnight's grace being given. It was stated during the hearing that the local chemists had been unable to arrive at any scheme whereby the business of any man who went could be carried on.—The appeal of Mr. C. E. Clinch, assistant with Mr. F. R. Stent, chemist and druggist, was dismissed, fourteen days' grace being given.

BRIGHOUSE.—Mr. A. S. J. Bridgman, a director of Rhuaka Remedies, Ltd., had his application dismissed, but was given grace till July 31.

CARLISLE.—Three months' temporary exemption was given to Mr. J. E. Alcock, assistant with T. Ridley & Son, chemists, and in charge of their cattle-medicine and sheep-dip trade.

KIMBOLTON (HUNTS).—Mr. H. J. Morgan, chemist and druggist, was exempted for three months.

LEWES.—Mr. T. G. Lloyd, assistant with Mr. J. C. Lloyd, chemist and druggist, was further exempted for two months.—The exemption of Mr. R. B. Calderwood, chemist and druggist, was renewed for three months.

OXFORD.—Mr. C. J. V. Bellamy, Ph.C., was exempted for three months.

ROCHDALE.—Mr. S. Relph, chemist and druggist, manager to Waller & Riley, Ltd., chemists, was exempted to August 31.

SHOREDITCH.—Mr. Henry W. Lambert (Lambert, Son & Watkins, surgical-appliance manufacturers) was exempted for six months, with V.A.D. condition.—Mr. James E. Housman (Bewells, Ltd., chemists) was conditionally exempted for six months; John Wilson, foreman packer with L. Rose & Co., Ltd., lime-juice merchants, 89 Worship Street, and H. Miller, medicine-chest manufacturer, 13 Alma Street, were each exempted for four months.

SOUTHAMPTON.—Mr. R. Leeson, chemist and druggist, who has been conditionally exempt since 1916, applied, with two other conscientious objectors, to have the certificate varied. The application was refused, and notice of appeal was given.

STAFFORD.—The case of a chemist's assistant was adjourned for discussion, together with similar cases, between the National Service Representative and the Staffordshire Insurance Committee. The case gave rise to a passage of arms between the Insurance Committee's Clerk (Mr. White) and a member of the Tribunal, who alleged that the intervention of Mr. White in certain previous cases had been "disastrous." Ultimately the Chairman held that no reflection had been cast upon Mr. White personally.

WEST BROMWICH.—A qualified store manager was granted six months' conditional exemption. (Corrected notice.)

Things Worth Knowing.

By "Hugo."

Never attempt to criticise or satirise a customer, no matter how ignorant, old or young. Sarcasm is unbecoming in anybody, but in an educated business-man it is particularly so.

Don't lower your prices because a customer told you he got an article at So and So's for a penny less. If you do, depend upon it you will be blamed for overcharging. Sell the best article at a reasonable profit and stick to the price.

When ordering spirit, vini meth, or turpentine in casks, always order to be sent in old casks. New wood absorbs a very high percentage of such liquids before it becomes seasoned or saturated, consequently there is a considerable loss.

As a means of economy, transfer all suitable solid substances gradually from stock-bottles (not shop-rounds) to tins and return the bottles to the wholesaler. In addition to the credit note you will save much through avoidance of breakages.

Don't be afraid to render all accounts systematically, and if not paid in due course let there be a penalty. The best business systems are for cash. Neglect to collect accounts in case offence should be caused has placed many a business-man in financial straits.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Guardians' Affairs.

The Bethnal Green Guardians have accepted the tender of Baiss Bros. & Co., Ltd., for drugs.

The Camberwell Guardians have accepted the following tenders: Society of Apothecaries, drugs, etc.; T. J. Smith & Nephew, Ltd., Robinson & Sons, Ltd., and S. Maw, Son & Sons, Ltd., dressings; Leslies, Ltd., plaster; John Henderson & Co., arrowroot, etc.

At a recent meeting of the Elham Guardians, a letter was read from Corbyn, Stacey & Co., Ltd., stating that, owing to fluctuations in the prices of drugs, they could not enter into a contract, and that an increase on previous prices would have to be charged. It was agreed to continue the supply.

Birmingham.

Much sympathy will be extended to Mr. and Mrs. A. W. Southall, whose only son, a pilot in the Royal Air Force, is reported missing.

Bottles are getting so scarce here that chemists are beginning to look up the marine-store dealers. Thirty gross of assorted medicine-bottles were offered for sale recently in the local Press.

A Provisional Committee in connection with the local-section scheme of the Institute of Chemistry was elected at a meeting held in the Birmingham Chamber of Commerce on June 13. Among those present were Messrs. F. H. Alcock, E. W. Mann, and J. Spilsbury.

Among the subscribers to the King Edward Memorial Children's Hospital are Mr. and Mrs. Barrow Cadbury, 250*l.*; Mr. W. A. Cadbury, 105*l.*; Southall Bros. & Barclay, Ltd., 100*l.*; Alderman Clayton, Ph.C., 50*l.*; Mr. W. R. Hedges, jun., 10*l.* 10*s.*; Albright & Wilson, 52*l.* 10*s.*

The death of Mr. William Izon (*C. & D.*, June 15, p. 39) is a great loss to pharmacy in Birmingham. A good fellow and an up-to-date man of business, he was familiar with every phase of pharmaceutical life, and made many friends. He leaves a widow and one son. The latter recently passed the Qualifying examination. The funeral took place on June 17, and was largely attended.

Liverpool.

A sudden change from heat to cold has effected a transformation in many window-displays.

Some further combing-out among the male staffs of the wholesale-houses has taken place this week.

The local Pharmaceutical Committee, whose term expires on July 15, is to be continued in office for another year.

A party of international journalists, who have been on a visit to Liverpool, were entertained at the Widnes works of the United Alkali Co., Ltd., by the directors.

A confectioner having been fined at the Liverpool Police Court for selling a packet of cocoa after the grocers had closed, pharmacists are wondering how they stand with respect to the evening sale of infants' foods.

Pharmacists and their assistants who are of the new military age have received this week the following letter from the Clerk to the Liverpool Insurance Committee:

"In connection with the review of dispensing chemists in Liverpool, I have to state that the Committee, in conjunction with the Pharmaceutical Committee and the National Service Representative specially appointed to deal with this matter, desire that a medical examination shall be undertaken of all ungraded men of the current military age, or of men who have not been graded since November 1917.

"The National Service Representative has therefore requested the Assistant-Director of Recruiting to call up all such men for medical examination at an early date. I understand that the notices are likely to be sent out at once. Please advise me the result of your examination."

As the outcome of consultation and inquiry on the part of Messrs. D. H. Evans, G. V. C. Last, and Moreton Parry, it is understood that men of forty-three and upwards will not be taken at present.

Sheffield.

The official gradings of pharmacists are giving rise to great dissatisfaction.

Mr. G. F. Sheppherd, apprentice with Mr. Leighton, Broomhill, has obtained a senior Marconi certificate.

A lighted match, falling or being dropped through a grating, nearly set fire to the premises of Mr. H. G. Williams, The Moor.

Mr. J. P. Hewitt, who retired from business before the war, is acting in a patriotic spirit in undertaking the management of the Staniforth Pharmacy, Attercliffe.

Mr. William Beulah, the district manager to Boots, Ltd., has resigned his position on account of ill-health. Mr. G. R. Airey, one of the company's branch-managers, has taken over part of Mr. Beulah's duties. Mr. Airey was a colleague of Mr. Beulah's on the local Pharmaceutical Committee, and has been asked to join the Sub-Committee dealing with recruiting.

The depletion of pharmaceutical staffs has been brought to a head during the week. One firm has been compelled to notify the Insurance Committee that they are without the necessary qualified staff to carry out their contract for dispensing. Most businesses are so reduced in staff that it will be impossible to take over other dispensing-contracts, the number of shops in Sheffield being below the average compared with other industrial cities.

Miscellaneous.

FIRE.—A fire broke out recently on the premises of W. Stevens & Co., veterinary chemists, Westminster Bridge Road, London, S.E. It was extinguished before much damage was done.

SOCIETY OF CHEMICAL INDUSTRY.—The annual meeting will be held at Bristol on July 17, and will be followed by the reading of papers, the programme extending to July 18 and 19. Among the papers to be read are the following: "The Prospects of Founding a Potash Industry in this Country," by Mr. Kenneth Chance; "Notes on the Synthetic and Thermal Synthesis of Ammonia," by Dr. E. B. Maxted; "Some Technical Applications of Catalysis," by Dr. E. F. Armstrong; "Glass," by Mr. Morris Travers, F.R.S.; "Sources of Loss during the Manufacture of Concentrated Ammonia Liquor," by Mr. A. Marsden; "Occurrence of Mould in Cocoa-butter," by Miss L. Batten and Dr. H. W. Bywaters. The local Hon. Secretary is Mr. R. F. Easton, Stafford House, Nailsea, near Bristol.

IN THE COURTS.—At West London Police Court, on June 12, William Wood, sundriesman, of no fixed abode, was charged with obtaining by false pretences from John Gosnell & Co., Ltd., wholesale perfumers, Blackfriars Road, S.E., soap and other articles, value 10*l.* 11*s.*, on September 28, 1917, and with stealing by means of a trick from Ernest Jackson & Co., Ltd., manufacturing chemists, Plaintain Place, S.E., 12 lb. of Brompton Hospital lozenges, value 1*l.* 11*s.*, on March 6, 1918. Evidence was given that the prisoner, while trading as the Victor Manufacturing Co. at a shop in Goldhawk Road, W., ordered goods from Gosnell & Co., Ltd., by telephone, and in payment tendered a cheque which was subsequently dishonoured. On the second charge, it was stated that he obtained the lozenges from Jackson & Co. by representing himself as having been sent by a Chelsea chemist. He was sentenced to eight months' hard labour.—At the South-Western Police Court, London, on June 13, Henry Rashleigh Thompson, 197 Longley Road, Tooting, described as a chemist, was fined 5*l.*, with 2*l.* 2*s.* costs, for dispensing medicine not in accord with a doctor's prescription. It was stated that there was a total deficiency in "the ingredients" of 55 per cent., and that in two informal tests made of the defendant's dispensing there were respectively a deficiency of 20 per cent. and an excess of 12½ per cent. The defendant had previously been fined for a similar offence [*C. & D.*, I., 1915, p. 66].—At London Sessions, on June 13, Horatio Nelson Hawkins, clerk, was found guilty of receiving artificial teeth, value 800*l.*, the property of de Trey & Co., Ltd., dental manufacturers, Denman Street, W. (*C. & D.*, May 25, p. 36). It was stated in evidence that dealers paid 11*d.* each and charged 1*s.* 6*d.* each for teeth of a smaller size and brighter finish than those used by English dentists—teeth manufactured for shipment to Spain. Sentence was deferred.—In the Shoreditch County Court, on June 13, Edward G. Wright, chemist and druggist, 164 Wyndham Road, Camberwell, S.E., was ordered, on a judgment summons for 3*l.* 13*s.* 6*d.*, owing to Julia Stewart, 1-4 Town Hall Buildings, Hackney, E., to pay 1*l.* a month, or in default to be committed for ten days. The defendant stated that his salary as chemist's manager was 4*l.* 10*s.* a week.—At Lambeth Police Court, recently, Jabez Plews (45), Jessop Road, S.E., described as a chemist's assistant, was fined 10*s.* and costs for being drunk and incapable in Coldharbour Lane.—At Devon Assizes, on June 15, Ada Nixon, postal clerk, charged with the murder of Private Clarence Hookey, A.S.C., who died after taking veronal (*C. & D.*, May 11, p. 35), was acquitted.—At Lambeth Police Court, on June 13, Dowling & Newcombe, Ltd., oilmen, New Kent Road, S.E., were fined 10*s.* and costs for selling crushed linseed deficient in oil to the extent of 14 per cent.

Irish News.

Brevities.

Sir Charles Cameron has recovered from his recent illness.

Messrs. Fielding, 66 Patrick Street, Cork, have secured the contract for medicines and surgical appliances to the South Charitable Infirmary, Cork.

At the annual meeting of Londonderry County Council last week, Mr. Jas. E. O'Neill, J.P., druggist, Maghera, was unanimously re-elected Chairman.

Mr. Robert Hastings (Hastings, Ltd.), Newcastle, has agreed to act as Hon. Secretary of the Newcastle Committee of the Royal National Lifeboat Institution.

A new pharmacy has been opened by Mr. H. Crossin, Ph.C., at 130 Donegall Street, Belfast. Mr. Crossin served his apprenticeship with Davidson & Murray, Mountpottinger.

Mr. V. Hanna, Ph.C., Mount Street Medical Hall, Dublin, has been appointed extern compounder to the Adelaide Hospital, in that city, in succession to Hayes, Conyngham & Robinson, Ltd., resigned.

At the meeting of the Sligo Trades Council, the Secretary intimated that a deputation had waited on a doctor and chemist concerning Sunday closing, and both agreed to do what the deputation asked.

On the application of Mr. A. W. Mann, Ph.C., Lurgan (Red Cross representative), a Certificate of Honour of the Hospital of St. John of Jerusalem has been awarded to Porter Metcalf for saving life at Lurgan Station.

At a meeting of the Council of the Belfast Chamber of Commerce last week, it was reported that the Wholesale Druggists' Section had made the following nominations: Chairman, Mr. Wm. McMullan (Thos. McMullan & Co.); representative in Council, Mr. Wm. Mitchell.

Attention is directed to an advertisement of the Pharmaceutical Society of Ireland in the Coloured Supplement for an examiner in general and pharmaceutical chemistry. The present holder of the office is retiring after the July examination, on completing the full term of five years.

New Companies
and Company News.

P.C. means Private Company and R.O. Registered Office.

OXO (SOUTH AFRICA), LTD. (P.C.).—Capital 10,000*l*. Objects: As indicated by the title. Agreement with Oxo, Ltd. R.O., Thames House, Queen Street, London, E.C.

ACID PRODUCTS, LTD. (P.C.).—Capital 2,000*l*. Objects: To take over the business of a phosphate and chemical manufacturer carried on by F. Woolley at 47 Undercliffe Road, Eccleshill, Bradford, and to carry on the business of chemists, druggists, drysalters, etc. R.O., 72 Market Street, Bradford.

CELLON (RICHMOND), LTD. (P.C.).—Capital 70,000*l*. Objects: To take over part of the business carried on by Thomas Tyrer & Co., Ltd., Stratford, E., and at Cellon Works, Richmond, S.W., as manufacturers of aeroplane dope and varnishes for Cellon, Ltd., and part of the business of Cellon, Ltd., relating to the sale of such dope and varnishes, etc. R.O., 22 Cork Street, London, E.

BRUNNER, MOND & CO., LTD.—The report for the year ended March 31, 1918, shows a balance to credit of profit and loss of 1,111,848*l*.; 214,131*l*. was brought forward, making 1,325,979*l*. An interim dividend on the ordinary shares at 25 per cent. per annum was paid December 19, 1917, subject to deduction of tax, and the directors now recommend a dividend at 12 per cent. per annum, making on the new capital 11 per cent. for the year, subject to deduction of tax. They place to reserve fund 250,000*l*., and carry forward 119,072*l*.

BAISS BROTHERS & CO., LTD.—The directors have declared a dividend of 10 per cent. on the preference shares and 1*s*. per share on the ordinary shares. In their report for the year ended December 31, 1917, they state that the volume of business done has been well maintained, and, addressing the shareholders at the general meeting held on June 12, the chairman (Mr. Sydney S. Baiss) said: "As evidence of the very sound condition of the business I would mention that our various reserves amount to upwards of 50 per cent. of our preference capital, and we have written off every known bad debt and very fully provided for any doubtful ones. The trading since the beginning of this year, 1918, has been satisfactory, and our sales to date are considerably in advance of the corresponding period of last year."

Association Affairs.

Drug-trade Appeal Fund.—The annual meeting of the subscribers was held at St. Bride's Institute, London, E.C., on June 19. There were present Messrs. C. A. Hill (British Drug Houses, Ltd.), J. G. Atkinson, J. T. De Peare, W. F. Gulliver, J. F. Harrington, D. Lloyd Howard, L. O. Johnson (Fassett & Johnson), G. J. Knight, Edgware Road, E. Pickering (F. Newbery & Sons, Ltd.), F. W. Truman, and the Secretary. Mr. C. A. Hill was voted to the chair, and referred to the loss which the Trustees had sustained by the death of Mr. Thomas Tyrer, and the Secretary was instructed to send a message of condolence from the meeting to Mr. Tyrer's relatives. In moving the adoption of the annual report, the Chairman referred to cases which had been under consideration, and which it was at one time thought possible might involve appeals. On consideration this course had been found unnecessary in one case and undesirable in another. The following were appointed Trustees of the Fund for the ensuing twelve months: Messrs. J. G. Atkinson, W. F. Gulliver, J. F. Harrington, C. A. Hill, David Lloyd Howard, L. O. Johnson, and G. J. Knight. At a subsequent meeting of the above-named Trustees Mr. C. A. Hill, Mr. W. F. Gulliver, and Mr. W. Johnston were appointed Chairman, Treasurer, and Secretary respectively.

Edinburgh.—The Edinburgh Chemists', Assistants', and Apprentices' Association held a demonstration of fresh plants in the Pharmaceutical Society's House, 36 York Place, on June 14, Mr. Henry Stout, Ph.C., in the chair. The demonstration was conducted by Mr. John Lothian, Ph.C., who illustrated a most interesting lecture by means of fresh plants, chiefly consisting of British cultivated medicinal species from his own garden, including well-grown flowering specimens of aconite, belladonna, rosemary, peppermint, and several other plants comprised in the Minor syllabus. There was a very large attendance, and, on the motion of the Chairman, a cordial vote of thanks was awarded to Mr. Lothian.

Essex.—The Committee of the County of Essex Association of Pharmacists met on June 13, Mr. C. Rundle (President) in the chair. Mr. Johnston, Secretary of the Chemists' Defence Association, attended to explain the attitude of that body towards veterinary insurance; but after hearing him the Committee passed a resolution, to be forwarded to the C.D.A., suggesting that it would be wise for the existing two premiums to be merged into one. The President reported on the favourable issue of an interview with the owners of a leading patent medicine, and suggested that it only remained for the Proprietary Articles Trade Association to back up his efforts to ensure a valuable addition to its list with an advance at the same time to face-value in the selling-price.

London County.—A meeting of the Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, W.C., on June 18, Mr. A. R. Melhuish (President) in the chair. Apologies for absence were received from Messrs. Milner, Sayers, Scott, Abelson, and Wolff. A hearty vote of thanks was accorded to Mr. Edmund White and Mr. W. J. Uglow Woolcock for their past services as *ex-officio* members of the London County Executive. The Secretary intimated that Mr. G. W. Hatfield had agreed, by letter, to remain in office as Vice-President until July 1918. Messrs. Keith, Noble, Jenkin, Melhuish, Shirtliff, Skinner, Trick, Thompson, Wing, and the Secretary were appointed as delegates from the London County Association to attend the British Pharmaceutical Conference to be held on July 10. The report of the Pharmaceutical Insurance Sub-Committee was formally adopted. The Secretary reported that a copy of the Scottish Retail Chemists' price-list had been received. This list was referred to the Organisation Sub-Committee for consideration. A discussion arose on the question of the medical examination of men coming under the new Military Service Act, and it was agreed that steps should be taken for such men to be medically examined on Wednesday or Thursday afternoons, as the case may be, according to the early closing day observed in any particular area. It was then left to the Secretary to make representations to the proper quarter. The new Army Council Order regarding the supply of drugs to the troops was discussed at some length, and it was ultimately decided to refer the matter to the Pharmaceutical Council, urging that steps be taken with the Army Council to ascertain the proper interpretation of the new Order, with special regard to the percentage strength of the drugs specified in the Order. The County Trade Secretary (Mr. J. Keall) gave a short report on the action taken on several trade matters.

Pharmaceutical Society of Ireland.

Council-meeting.

THE monthly meeting of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on June 11, Mr. James Michie (President) in the chair. The following members of the Council were also present: Dr. A. J. Barnes, Messrs. G. D. Beggs, J.P. (Hon. Treasurer), D. M. Watson, Thomas N. Moffitt, James Tate, W. F. Wells, Victor E. Hanna, G. A. McLean Lee, and A. Owen Wells.

The Vice-President (Mr. J. E. Connor) had sent a telegram regretting that he could not attend.

AFTER THE WAR.

The Registrar read a letter from the Under-Secretary, Dublin Castle, informing the Society that arrangements are under consideration by the Ministry of Labour for demobilising as soon as possible after the termination of the war, among others, men who belong to one or other of the following classes:

1. Members of the administrative and clerical staffs of local educational authorities and public educational institutions.
2. (*a*) Members of the teaching staffs of universities and other institutions for the education and training of students over the age of eighteen.
(*b*) Teachers engaged in advanced work in secondary schools.
(*c*) Teachers in elementary schools or on work in secondary schools other than advanced work.

In order to ensure that any special arrangements which it is found possible to make in respect of officials or others engaged in educational work may be susceptible of substantially equal application to all parts of the United Kingdom, the Society was asked to furnish at an early date an approximate estimate of the number of men at present with the Forces belonging to any of the above classes with whom the Pharmaceutical Society of Ireland is concerned, and to whom in the opinion of the Pharmaceutical Society of Ireland it would be desirable to give priority in demobilisation.

The Registrar was directed to send a reply and to draw attention to the desirability of having chemists and chemists' assistants liberated as soon as possible after the termination of the war.

THANKS FOR SYMPATHY.

Mr. A. R. Lester, M.P.S.I., Cork, thanked the Council for their sympathy on the death of his father.

DEATHS.

Notification of the deaths of the following was received:

Staff-Sergeant M. F. Hegarty, pharmaceutical assistant, who had been employed in the establishment of Mr. John Smith, a member of the Council, 3 Terenure Road, Rathgar, Dublin, and who, Mr. Smith notified the Council, had been killed in action; Mr. James Hogg, chemist and druggist, Belfast; and Mr. Edward J. Doyle, chemist and druggist, Ballon, co. Carlow.

The Registrar reported the deaths of Mr. D. S. Jardin, Ph.C., Dublin, and Mr. S. Kelly, Ph.C., Dublin.

PRELIMINARY REGISTRATION.

Miss A. Cullen, of Diviney, Portadown, submitted a certificate from the Board of Intermediate Education, and was admitted to Preliminary registration.

CHANGES OF ADDRESS.

The following notified changes in their address:

Mr. James J. Kerr, Ph.C., to the Ulster Medical Hall, The Diamond, Clones; Mr. Frank Loughman, Ph.C., to 22 Main Street, Carrick-on-Suir; Mr. J. J. McHenry, Ph.C., to 23 High Street, Enniskillen; Mr. G. H. Miller, Ph.C., to "Fernbank," Effra Road, Rathmines, Dublin; Mr. L. H. Parkes, Ph.C., to 5 St. Kevin's Road, Portobello, Dublin; Mr. Frank E. Priestman, Ph.C., to 37 Morehampton Terrace, Donnybrook, Dublin; Mr. J. M. Wadsworth, Ph.C., to 42 Dublin Street, Carlow; Mr. Robert J. Barre, R.D., to 118 O'Connell Street, Limerick; and Mr. J. White, R.D., to Artillery Quay, Fermoy, co. Cork.

NOMINATIONS FOR MEMBERSHIP.

The following were nominated for membership:

Mr. James J. Bolger, Ph.C., The Medical Hall, Carlow; Mr. James R. Bunyan, Ph.C., Listowel, co. Kerry; Mr. Alfred L. Hanrahan, Ph.C., The Pharmacy, Tallow, co. Waterford; Mr. John H. Moffatt, Ph.C., Ballynafeigh, Belfast; Mr. Thos. Neligan, Ph.C., Strand, Dingle, co. Kerry; Mr. Hugh B. O'Donoghue, Ph.C., The Pharmacy, Virginia, co. Cavan; Mr. John M. O'Sullivan, Ph.C., Stack's Medical Hall, Listowel, co. Kerry; and Mr. Joseph Reynolds, Ph.C., 145 Cliftonville Road, Belfast.

NOMINATED AS ASSOCIATE DRUGGISTS.

The following were nominated as Associate Druggists:

Mr. Charles Abernethy, R.D., 234 Albert Bridge Road, Belfast; Mr. Albert E. A. Davis, R.D., 30 Donegall Road, Belfast; Mr. Samuel Gibson, chemist and druggist, J.P., Summerhill, Dunmurry, co. Antrim; Mr. James Guthrie, R.D., 271 York Street, Belfast; Mr. Lindsay, R.D., 200 Newtownards Road, Belfast; Mr. John Long, R.D., 2 Castlereagh Road, Belfast; Mr. Hugh Marshall, R.D., 4 York Road, Belfast; Mr. Wm. Martin, R.D., 181 Antrim Road, Belfast; Mr. Wm. J. Rankin, chemist and druggist, 5 St. Jude's Avenue, Belfast; Mr. Edward Roberts, R.D., 250 Shankill Road, Belfast; Mr. Thomas Sandford, R.D., 59 High Street, Newtownards; Mr. Frederick T. Smith, R.D., J.P., High Street, Antrim; and Mr. Samuel Suffern, R.D., 304 Shankill Road, Belfast.

Mr. TATE, in proposing, as he said, thirteen registered druggists and chemists and druggists from the North-East Corner, stated that a number of the names were familiar to members of the Council. They had hoped for a good many years to bring these gentlemen into their ranks in some way; and he was indeed personally very pleased that they had now seen their way to strengthen the Pharmaceutical Society. Their accession had come about more through local Associations than, he was sorry to say, through any love for their Council. These gentlemen, of course, did not know the members of the Council so well as they knew members of the local Associations because they did not come in contact with them to such an extent, and they were therefore unaware of the class of men who composed the Council with one or two exceptions. The case illustrated to members of the Council the necessity for organising through local Associations. He trusted that other Associations would endeavour to bring in another lucky number thirteen. He was very pleased to be the medium of nominating these gentlemen. He thought a good deal of credit was due to Mr. Hardy and Mr. Moffitt, members of the Council, who had used their best influence in the direction of bringing these gentlemen into the Society.

Mr. MOFFITT asked if Mr. Gibson was going to stand as a candidate for the Council.

Mr. TATE: I am not aware of what will happen. All these gentlemen are ambitious to become candidates in the near future.

The PRESIDENT said they were all greatly obliged to Mr. Tate for the trouble and interest he had taken in getting such a large number of additions to the Society. He hoped these gentlemen would have no cause to regret their decision.

REPORTS FROM COMMITTEES.

A report was received from the Committee of the whole Council on Military Service, and steps were directed to be taken in reference to the matter. Reports from the Law Committee and the House Committee were received and adopted.

HONOURS AND MEDALS.

Dr. BARNES proposed, in accordance with notice of motion, alterations in the regulations for the Preliminary examination and for the Pharmaceutical Licence examination, the effect of which would be to provide that only those candidates who presented themselves for the first time at these examinations would be awarded a pass with honours. He proposed a further alteration in the regulations for the Licence examination, the effect of which would be to provide that medals would only be awarded to candidates who presented themselves for the first time at the examination. He said the object of his proposal was to eliminate as far as the award of honours and medals was concerned the obviously unfair advantage which the experience of being up more than once for an examination gave to a candidate. He suggested that honours and medals should be awarded only to those candidates who obtained the necessary marks on the first occasion of presenting themselves for the examinations. Of course, if a candidate who had been previously rejected did obtain honours marks at a subsequent examination he was to be clearly entitled to those marks, but he should get a plain certificate, and he should automatically lose his chance of obtaining a medal.

Mr. BEGGS seconded.

Mr. VICTOR E. HANNA: What about the man who gets honours marks at the second shot?

The PRESIDENT: He gets no credit.

Mr. HANNA: That is hardly fair.

Mr. WATSON suggested that Dr. Barnes's proposal should be confined to the Gold Medal. He proposed an amendment to that effect, and suggested that Dr. Barnes should withdraw the other parts of his proposal for future consideration.

Mr. W. F. WELLS expressed himself in favour of Dr. Barnes's proposal as it stood. He considered that a man who had to come up several times for the examination should not get honours, and he would not give a medal to any man who did not pass the examination at the first attempt.

The PRESIDENT expressed the opinion that if the restriction was to be applied to one of the medals it should be applied to both.

Mr. TATE said he was quite in agreement with Dr. Barnes.

Mr. Hanna asked why should a candidate be deprived of an honours certificate if he did well at the second attempt.

Dr. Barnes suggested that he might withdraw the resolution for the consideration of a larger meeting of the Council.

After some further discussion the portion of the resolution referring to the medals was passed, providing that only those candidates who passed the examination at the first attempt should be eligible to receive medals.

Notice of Motion Withdrawn.

Mr. Hanna asked leave to withdraw for the present the motion of which he had given notice to the following effect:

"That Pharmaceutical Licence Examination Regulation III., paragraph (*a*), have the following words deleted in lines 5 and 6 'or for two or more lesser terms, amounting in all to four years.'

That paragraph (*b*) be deleted, except where it refers to the death of the pharmaceutical chemist, etc., with whom any such terms may be served.

These deletions not to affect apprentices who have entered into service prior to January 1, 1919."

The required permission was granted, and the consideration of the motion accordingly postponed.

Legal Reports.

Soap Contract.—Mr. Justice Sankey had before him in the King's Bench Division, on June 12, the case of Michael James Regan, of St. Swithin's Lane (claimant) and Thomas Oakley, Sollas & Co., Gracechurch Street (respondents) stated in the form of a special case by the arbitrator. Mr. Mathew, for respondents, asked that the award should be remitted in order that the facts might be more clearly found. Respondents were said to be sellers to Mr. Regan of 300 tons of vegetable-oil soap. The contract was signed on behalf of Sollas & Co. by Henry Tyssen, manager of one of their departments. The point in the case was whether Tyssen had authority to sign on behalf of respondents. He asked that the arbitrator be requested to find specifically whether Tyssen had authority to sign. The contract was dated October 17, 1917, and was for the sale to Mr. Regan of 300 tons of vegetable soap at 42*l.* 10*s.* per ton, payable net cash, the sample to equal 60/62 per cent. fatty acid. The respondents did not make delivery, contending that Tyssen had no authority to sign the contract. Mr. Regan claimed 600*l.* damages, being at the rate of 2*l.* per ton on 300 tons, and the arbitrator awarded him that sum. After hearing Mr. Leek, K.C., on the other side, his Lordship upheld the award of 600*l.* to the claimant.

Libel-action Appeal.—The case of Roff *v.* the British and French Chemical Manufacturing Co. (of Manchester) came before the Court of Appeal, composed of the Master of the Rolls and Lords Justices Scrutton and Duke, on June 12, upon the application of the defendants for judgment or new trial in the action which was tried before Mr. Justice Darling and a special jury in the King's Bench Division (*C. & D.*, February 9, p. 37). There was also a cross-appeal by the plaintiff. The plaintiff, Dr. R. J. D. Roff, the departmental manager of Thornett & Fehr, brought the action against the defendant company and Mr. J. Gibson, a director of the company, for damages for alleged libel contained in a letter sent by the defendants to Mann & Cook, St. Mary Axe, E.C., on October 9, 1917, in which it was imputed, it was alleged, that the plaintiff was a German, or of German origin. Defendants denied the publication of the libel, or that the words were defamatory, and they further pleaded that if published the occasion was privileged. Plaintiff alleged that he was born at Hampstead, and his ancestors for several generations were British-born. The defendant company had contracted to supply Mann & Cook with sulphate of soda, and when default was made in the delivery Mann & Cook wrote that they had appointed plaintiff as arbitrator. Thereupon defendants wrote a letter, in which they declined to accept as arbitrator a man with a German name. At the trial the jury found that the letter was libellous but was written without malice. The damages were assessed at 50*l.*, for which amount judgment was entered, and from which defendants now appealed, upon the ground that the occasion was privileged. The plaintiffs' cross-appeal was from the finding of the jury negativing malice, and which they urged was due to the summing up of the learned Judge. At the conclusion of the arguments their lordships, on June 13, held that the alleged libel was written on a privileged occasion, allowed the defendants' appeal, and entered judgment for them, with costs. The plaintiff's cross-appeal was dismissed.

Pharmacy Acts (Ireland).—At the Templemore, co. Tipperary, Petty Sessions on June 5, the Munster Medical Co., Ltd., Main Street, Templemore, were charged with dispensing and compounding medical prescriptions on February 23 without employing as assistant or manager a duly qualified pharmaceutical chemist or licentiate apothecary to manage and conduct the shop and the dispensing and compounding of medical prescriptions contrary to the Pharmacy Act (Ireland), 1875, and the Amendment Act of 1890, Section 17. In another summons the same defendants were charged with a similar offence on February 25. Mr. W. Campbell Meeke, for the Pharmaceutical Society, stated that the Munster Medical Co. was incorporated on April 30, 1904, with a nominal capital of 1,000*l.*, divided into 1,000 shares of 1*l.* each; that of these 107 shares had been issued, of which 101 were held by Mr. A. R. Looby, who was the manager and the person who solely conducted the Medical Hall, dispensing and compounding prescriptions, although he was neither a pharmaceutical chemist nor a licentiate apothecary, the two classes of persons entitled to do such work. In fact, in his return to the Board of Trade he described himself as a shop-assistant. Mr. Meeke characterised the company as a pure sham, incorporated for the purpose of evading the law. So far it had done so successfully. It had been decided, he said, in the House of Lords that the word "person" in the section of the English Pharmacy Act, corresponding to Section 30 of the Irish Pharmacy Act of 1875, did not include a corporation; and this decision had been followed in Boyd's case in Ireland. He contended, however, that the word "person" in the Irish Amendment Act had a more extended meaning, and did include a corporation; and he pointed out that the proceedings were taken under that section. Mr. Patrick Butler, Inspector of the Pharmaceutical Society, gave evidence as to obtaining prescriptions and having them compounded at defendant's shop. Witness stated that printed on the front window of the shop were the words, "Prescriptions Carefully Compounded." Dr. Mason, Registrar of the Apothecaries' Hall, proved that Mr. Looby was not a licentiate apothecary. Mr. Fogarty, for the defendant company, contended, relying on the House of Lords case and Boyd's case, that the word "person" in Section 17 of the Amendment Act of 1890 must be construed in the same way as the word "person" in Section 30 of the Act of 1875. Mr. Meeke, in reply, contended that the terms of Section 17 were absolutely general, and in no way limited to any particular class or any particular qualification, and that there is nothing inconsistent between the decisions referred to and his contention in the present case. He read extracts from the judgments in the House of Lords with a view of showing that what he contended for was nothing more than the Lords considered necessary. He pointed out that if the contentions made on behalf of the defendants were correct, a duly qualified pharmaceutical chemist permitting an unqualified assistant to compound or dispense prescriptions would himself be liable to the penalties under the section, whereas a corporation doing the same thing would escape scot free, and the assistant would be personally responsible under Section 30 of the Act of 1875. He cited sections of several Acts of Parliament containing language similar to that of Section 17, and the quoted decisions in them bringing corporations within their scope. The Magistrates held with Mr. Meeke's contention, and imposed a fine of 1*l.* on each of the two summonses, with 1*s.* 6*d.* costs. On the application of Mr. Fogarty, solicitor, they agreed to state a case for the opinion of the King's Bench Division.—Summonses against Mr. Richard Meagher, grocer and spirit merchant, Templemore, and against his assistant, Mr. Timothy Shelly, arising out of the sale of Cooper's Sheep-Dip, were also heard. Mr. Meagher was charged with having on February 23 kept open shop for the sale of Cooper's Sheep-Dip, containing arsenic, a poison, contrary to Section 30 of the Pharmacy Act of 1875, he not being a person qualified by law. He was also charged with not having had the entries made which are prescribed by the Sale of Poisons (Ireland) Act, 1870, and with having sold poison to a person unknown to him. His assistant was charged with having on the same date sold poison contained in Cooper's Sheep-Dip. There were similar summonses in respect of February 25. Evidence of purchase and analysis was given. Mr. Meagher, solicitor for the defence, produced the renewal of Mr. Meagher's licence from the County Council, and contended that he had complied with all the conditions, and that even if he had not the section and the licence to sell protected him. Defendant gave evidence that he was in his shop at the time that both purchases were made, working at his desk, and that he supervised the sales. The Magistrates imposed penalties of 5*l.* each on the summonses under the Pharmacy Act, and nominal fines of one penny each on the two summonses under the Sale of Poisons Act, with costs of Court. As a result of a conference between the parties, Mr. Meeke said he would accept 10*l.* in settlement of all the penalties if paid to him forthwith. This offer was accepted, and the 10*l.* paid.

Births.

CARSON.—At 76 Upper Newtownards Road, Belfast, on June 14, the wife of Samuel Carson, R.D. and dentist, of a son.

FRANKLIN.—On June 10, the wife of Stanley Franklin, chemist and druggist, 67 Mayfield Avenue, Ealing, London, W. 13, of a son.

GRIER.—At 41 Claude Road, Chorlton-cum-Hardy, Manchester, on June 16, the wife of James Grier, M.Sc., Ph.C., of a daughter.

JUDGE.—At Roxborough Road, Harrow-on-the-Hill, on June 13, the wife of Corporal Edgar Wilfred Judge, R.A.M.C., chemist and druggist, of a daughter.

THOMPSON.—At 25 Sefton Drive, Liverpool, on June 16, the wife of Edwin Thompson, chemist and druggist, of a daughter.

Marriage.

Golden Wedding.

PARRY—LOVELY.—At St. Paul's, Hammersmith, London, W., on June 9, 1868, William Perkes Parry, son of Mr. Parry, Nantyglo, to Leisa, daughter of Mr. Lovely, Hammersmith. Present address: Woodcote, South Nutfield.

Deaths.

CLARKE.—At 131 Milton Road, Gravesend, on June 13, Mr. Richard Thomas Clarke, chemist and druggist, aged seventy-one. Mr. Clarke, who was a native of Wallingford, carried on business at Milton Road, Gravesend, for forty-eight years. He was greatly esteemed in the town both as pharmacist and musician. His services as organist and composer were in frequent request among the churches of the locality, and his considerable knowledge of organ-building was at the service of all who consulted him on the subject. He is survived by a widow and three daughters. The funeral took place on June 17, the first part of the service being held at Holy Trinity Church. Music of his own composition was rendered by a full choir. There was a large attendance, and among the numerous wreaths was one from the pharmacists of Gravesend designed as a harp, and bearing the inscription, "Farewell, old friend!"

DAVISON.—At Brighton, on June 15, Mr. William Henry Davison, chemist and druggist, aged seventy-four. Mr. Davison passed the Minor examination in 1866, his certificate being No. 986, and his name was accordingly included in the Register prescribed by the 1868 Act. For many years he was the proprietor of the historic "Golden Keys" pharmacy, Norton Folgate, London, E.C., and he was also in business at Hastings. He retired twenty-one years ago.

JONES.—At 3 Hassop Road, Reddish, on June 6, Mr. Charles Albert Jones, chemist and druggist, aged forty-two. Mr. Jones served his apprenticeship with Mr. William Crompton, chemist and druggist, Bolton Street, Bury. Sixteen years ago he commenced business at Gorton Road, Reddish. Both as a pharmacist and as a member of the Stockport Pharmacists' Association he was highly esteemed.

KIRKPATRICK.—At Upton Manor, London, E., on June 18, of pneumonia, Mr. James Kirkpatrick, chemist and druggist, aged forty-six. Mr. Kirkpatrick served his apprenticeship with his father at Carlisle, and after a course of study at Westminster College passed the Qualifying examination in 1895. He was then, for a time, engaged in analytical work connected with manufacturing industries. Returning to pharmacy, he first took up the management of a branch business at Highbury Vale, Nottingham, for Mr. James Stanley, and subsequently purchased the business of the late Mr. Fawthorp, Great Bardfield, which he carried on with success for many years. In 1912 he disposed of it, and purchased that of Mr. W. R. Barnes at Upton Manor, which he conducted up to the time of his death. Mr. Kirkpatrick was President of the West Ham, East Ham, and Metropolitan Essex District Association of Pharmacists (which office he also filled in 1915), Secretary of the West Ham Pharmaceutical Committee since its formation, and a member of the Pharmaceutical Service Sub-Committee and the Joint Service Sub-Committee of the West Ham Insurance Committee. He was also a member of the County of Essex Pharmaceutical Committee, of the Pharmacists' Volunteer Training Corps, and of the Fees Values Committee. He was one of the four pharmacists selected to give evidence before the Departmental Committee on the Drug Tariff, and was an authority on all matters relating to the National Insurance Act. In September 1915 he was the recipient of a handsome present from his colleagues in West Ham in token of their appreciation of work done for them, especially in his capacity of Secretary of the West Ham Pharmaceutical Committee, in which he was unsparing in his efforts for the welfare of pharmacy. Mr. Kirkpatrick was a ready and forceful speaker, and his recent candidature for the Council of the Pharmaceutical Society will be fresh in the minds of readers of THE CHEMIST AND DRUGGIST. He leaves a widow, two sons, and a daughter, with whom in their sudden bereavement there will be general sympathy. A son and a daughter have both passed the Qualifying examination—the latter in January of this year, the former a year previously. The funeral will take place on June 24, at the City of London Cemetery, Little Ilford, E. The first portion of the service will be held at St. Mary's Church, Plaistow, at noon.

MR. JAS. KIRKPATRICK.

MILNER.—On June 11, Mr. Anthony Greaves Milner, chemist and druggist, New Cross Street, West Bowling, Bradford, aged sixty-seven. Mr. Milner was in business before August 1, 1868.

SIMPSON.—At 21 Guest Road, Bishopstoke, on June 4, Mr. John Simpson, Ph.C., 29 Southbrook Road, Lee, London, S.E., aged sixty-nine.

SMITH.—Recently, Mr. James William Smith, chemist and druggist, High Street, Stony Stratford. Mr. Smith, who qualified in 1885, had been in business at Stony Stratford for twenty years. He had of late suffered from neurasthenia. An inquest into his death was held, and it was found that he committed suicide by drowning.

THORPE.—At Woodstock, on June 8, Mr. Thomas Frederick Thorpe, chemist and druggist, aged sixty-one.

Died on Service.

FLETCHER.—Second-Lieutenant Edward Stewart Fletcher, West Yorkshire Regiment, is officially reported killed on service. Second-Lieutenant Fletcher was the only son of Mr. W. W. Fletcher (Reinhart & Sons, Ltd., chemists, Leeds), and at the outbreak of war was taking up the study of medicine. He then joined the Public Schools Battalion of the Royal Fusiliers, and after being commissioned went through the Irish Rebellion of 1916. He subsequently went out to the Front, where he was wounded, and received special mention. It is rather more than a year since he was reported missing (*C. & D.*, 1917, p. 443).

HARDMAN.—Private J. Hardman, South Lancashire Regiment, has been killed in action. Private Hardman enlisted from the staff of Joseph Crosfield & Sons, Ltd., Warrington.

HILLS.—Second-Lieutenant Arthur Hyde Hills, Hampshire Regiment, is reported killed in action at Gaza on April 19, 1917, aged thirty-four. Second-Lieutenant Hills was the youngest son of Mr. Walter Hills, Ph.C., a director of John Bell & Croyden, Ltd., Wigmore Street, London, W. 1, and a past-President of the Pharmaceutical Society of Great Britain. He was educated at Aldenham School and Caius College, Cambridge, taking his B.A. in 1905. When the war broke out he was a partner in a firm of accountants; in 1915 he joined the Inns of Court O.T.C., and was commissioned, proceeding to the Front in January 1916. He leaves a widow.

HUGHES.—Private A. C. Hughes, South Wales Borderers, has been killed in action. Prior to joining the Army Private Hughes was for some time with Mr. George Donaldson, Ph.C., Eign Street, Hereford.

KING.—Sergeant T. W. King, R.A.M.C., has been killed on service abroad during an air-raid. Prior to joining the Army Sergeant King was an assistant with Thompson & Capper, Ltd., at Piccadilly, Manchester.

NOON.—Private Patrick Noon, South Lancashire Regiment, has died of wounds received on service. Private Noon enlisted from the staff of Joseph Crosfield & Sons, Ltd., Warrington.

SENTER.—Lieutenant John Watt Senter, R.A.M.C., M.B., Ch.B., B.Sc., died in France on June 9 of wounds received on service, aged thirty-eight. Lieutenant Senter was for some time an assistant with Mr. John Henderson, chemist and druggist, Montrose Terrace, Edinburgh. He passed the Qualifying examination in 1902, and subsequently took medical and scientific degrees. He had been on active service since June 1917, and prior to that time resided in Edinburgh, where he was a well-known medical practitioner. He leaves a widow and four children.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative

TRUSTS AND THE PUBLIC.

Mr. C. A. McCurdy, M.P., has (our Parliamentary correspondent states) been appointed to succeed Mr. E. Shortt, K.C., M.P., the new Chief Secretary for Ireland, as Chairman of the Departmental Committee set up by the Minister of Reconstruction to consider what action may be necessary in the public interest in view of the development and extension of trade organisations and combinations. The Committee will resume its sittings next week.

BEE DISEASE.

Sir R. Winfrey, in reply to a question in the House of Commons on June 12, stated that difficulties of diagnosis make it inadvisable to require the notification of the Isle of Wight disease or to try to enforce restrictions against it. Further scientific investigations into the nature of the disease are, however, being made, and it is hoped that this difficulty may soon be overcome, when the position will be again considered. In the meantime, the Board of Agriculture are taking steps to secure the importation of foreign stocks of bees which appear to be capable of resisting the disease.

THE LUXURY-TAX.

Two of the Sub-Committees which have been inquiring into various aspects of the proposed luxury-tax have now concluded their investigations, and their reports and recommendations have been presented to the Select Committee over which Mr. F. D. Acland, M.P., presides. A request has been preferred in the House of Commons for some details as to the working of the tax in France, but the Chancellor of the Exchequer has replied that there is no means of knowing. As soon as the two remaining Sub-Committees have finished their work the Select Committee will consider the proposals put forward as a whole.

ORDER OF THE BRITISH EMPIRE.

It was stated in the House of Commons on June 13 that the total number of persons appointed to the various classes of the Order is as follows: Class I., 58; Class II., 216; Class III., 704; Class IV., 2,139; Class V., 2,833. Appointments to the Order are made by the King on the advice of the Prime Minister; but the duty of preparing lists of recommendations to be submitted, if the Prime Minister approves them, to his Majesty rests with the Home Secretary. For this purpose the Home Secretary receives recommendations from the Ministers at the head of the various Government Departments in respect of services coming within the scope of their several Departments. He does not accept recommendations from any other person, nor does he accept from any Minister recommendations in respect of services for which that Minister is not responsible.

HOME-MADE SPIRITS.

The Chancellor of the Exchequer stated in the House of Commons on June 13 that 37,140,668 proof gallons of spirits was distilled in the United Kingdom during 1917-18, and that there was 137,749,591 proof gallons in warehouse on March 31, 1917. The distribution has been as follows:

	Pf. galls.
Potable spirits retained for home consumption ...	10,373,787
Exported ...	4,888,951
Exported as medicinal preparations ...	243,449
Used for fortifying wines, for ships' stores, etc. ...	1,152,663
Used in arts and manufactures ...	25,297,092
Methylated ...	8,194,181
Deficiencies allowed, etc. ...	3,592,591
Balance in warehouse on March 31, 1918 ...	121,147,545
	174,890,259

PATENTS IN ENEMY COUNTRIES.

Mr. Higham asked the President of the Board of Trade on June 5, whether his attention has been called to the Order issued by President Wilson last month prohibiting American citizens from sending any money for the maintenance of their patents in enemy countries or for making new application for patents or trade-marks, or from sending any communication of any kind respecting patents or trade-marks to enemy countries, also prohibiting any American citizen from receiving any moneys or documents from enemy countries in respect to American patents or trade-marks owned by the subjects of enemy countries; and whether it is the intention of his Majesty's Government to similarly prohibit such communications or payments by or to British subjects, by cancelling the Proclamation allowing such payments and communications to be made that was issued in September 1914.

The President of the Board of Trade (Sir Albert Stanley) replied that he had seen the Order referred to. The question of issuing the existing licences in connection with this matter was carefully considered by the Board of Trade at the beginning of the war. He would, however, consider whether the action of the U.S.A. Government makes any modification in the policy pursued by his Majesty's Government in this matter necessary or expedient.

Trade Notes.

"ORION" is the brand of saccharin of 550 strength which is sold by Linton, Hubbard & Andrew, 72-75 Fenchurch Street, London, E.C. 3.

THE TELEGRAPHIC ADDRESS of Sangers, druggists' sundriesmen, 42A Hampstead Road, London, N.W., will in future be "Pharsalia, Phone, London." This will insure all telegrams being delivered by telephone instead of by a messenger.

DISPLAY STANDS.—Price's Patent Candle Co., Ltd., Battersea, London, S.W. 11, are supplying a fumed oak showstand suited for displaying their shaving-sticks and perfumery. The stand, which is in three tiers, is of very neat appearance, and is supplied with orders for three gross of shaving-sticks or orders for perfumery of a value of 10*l*.

CARROTINE.—Mr. John W. Dennis, Louth, informs us that the retail and wholesale prices of Carrotine butter-colouring have been increased as follows from June 15: 9*d*. (retail), 7*s*. 6*d*. doz. (wholesale); 1*s*. 7½*d*. (retail), 16*s*. 8*d*. doz. (wholesale), subject to discounts according to amount. Price-tickets with the altered figures will be supplied on application.

TROMMER MALT PREPARATIONS, of which Francis Newbery & Sons, Ltd., 27 and 28 Charterhouse Square, London, E.C., are the distributors, have been advanced in price. The retail price has been fixed at 3*s*. (face-value) and the wholesale price 27*s*. doz. The other products of the Trommer Co. are also advanced—viz., Cremogen 3*s*. lb. and Rosatogen 9*s*. per oz.

AFTER-DINNER PILLS.—Ayrton, Saunders & Co., Ltd., manufacturing chemists, 34 Hanover Street, Liverpool, are advertising this week "After-dinner" pills. We have seen specimens of the labels, cartons, and showcards, which are sent out with the "Sign of the Star" trade-mark. These are neat in design, the star being attractively printed on an azure-blue ground.

ONE-DROP PERFUMES.—H. E. Stevenson & Co., manufacturing chemists, 122 Great Suffolk Street, London, S.E. 1, announce that the price of "4-Medal" brand one-drop perfumes has been advanced to 12*s*. per doz. The firm point out that the one-drop perfumes are still the most economical in use, and there is no unnecessary spirit involved in the sale.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

76/73. Morton's "Mothers' Friend"
105/71. "Cresopine"
104/12. Dr. Gerard's Regenerator
102/68. "Ciderolium"
108/11. "Doreas" infant carrier
108/13. "Terreforme" for rheumatism

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Abbey's effervescent salt, 88/43
Aeriflavine, 100/11
Adalin, 96/41
Angiers' emulsion, agents, 91/19
Anthropological outfits, 100/10
"Aspad," 88/46
Bate's salve, 94/29
Bath pipe, 92/34
Carter's Little Liver Pills, 84/20
Cascara evacuant, 85/34
Chemists' overalls, 97/32
Filter bags, 46/5
Filter-papers, 91/69
"Flavine," 84/28
"Hygienol" tooth-powder, 75/73
Iceland Moss jujubes, 58/72
"Iodalose," 98/45
"Katakilla," 90/5
"Mirror" nail-stones, 92/54
Naldire's worm-powders, 65/12
Nature's herbal ointment, 76/75
Neatsfoot oil, 90/49
Richmond's horse-powders, 49/2
Rigaud's brilliantine, 69/56
Robinson's groats, 61/46
"San-Kresyl," 84/22
"Sedobrol" tablets, 72/50
"Seegerol," 95/2

Observations and Reflections

By Xrayser II.

The Mystery of the Secretaryship

becomes more inscrutable the longer it is looked at, and your demand for an official statement explanatory of the situation will be endorsed by all who have the welfare of the Society and the honour of the Council at heart. All that is apparent at present is that a most undignified wrangle took place behind the scenes, and that in the attempt to compose matters in the Council meeting thunder was (to use a theatrical expression) "heard off." Some echoes of that thunder have reached me since, and confirm the impression naturally made by the official report itself, that personal feeling, jealousies, dislikes, ambitions (the list might be much extended) played a very large part in the proceedings. A scrummage at "Rugger," with the Secretaryship for ball, would be a not inapt figure to illustrate what seems to have taken place in Committee, except that in the football game the players are divided into definite and equal sides, whereas our players were not two coherent teams, but a fluctuating and unrelated mass of individuals, each playing from some personal motive of interest or friendship (or its opposite). That a post so responsible, upon the occupancy of which the welfare of the Society and the craft so largely depends, should be scrambled for in this manner is deplorable, and it is hardly less so that it should be supposed to have been so scrambled for. Enough has been allowed to transpire to justify the supposition, and confidence can only be restored by a full explanation of the position of affairs.

The Restrictions on the Sale of Poisons

which every chemist has to keep in mind would almost tax the memory of omniscience itself, and the pamphlet setting them forth which the Editor has just published as the basis of his recent lecture on the subject at the Progressive Pharmacy Club, is exactly such a memoriser as the retailer wants. Some idea of the scope and the complicated character of these restrictions may be gathered from a brief recapitulation of the pamphlet's contents. The essential features of all the Acts and Orders bearing on the subject are given, with succinct explanations and directions for the seller's guidance, after which there follows an "Extended List of Poisons, etc., the sale of which is restricted in Great Britain." It extends (in four columns) over three quarto pages, and consists of 520 items, or thereabouts. Of these, more than 500 are preparations (or classes of preparations) which come within the scope of one or other of the two parts of the Poisons Schedule of the Act of 1908; considerably more than 100 are drugs or preparations affected by the Narcotic Drugs Order; twenty-five are subject to the Cocaine and Opium Regulation; eighteen are agricultural and horticultural poisons; thirteen are poisonous substances under the Act of 1908; and nine come under the Arsenic Act of 1851. The particular Acts or Orders governing the sale of all these are indicated by reference letters—A, B, C, etc. The way of the pharmacist is not easy, but with the aid of this publication the harder way of the transgressor may be avoided.

A Careful Study

of the lecture itself will, however, facilitate, and may even be regarded as necessary to, a complete mastery of the subject. In this are elucidated the complicated and occasionally obscure requirements of the various Acts and Orders, which are sometimes hardly reconcilable with one another, at least in principle. But the lecturer is obliged in some cases to indicate the "safest" course, since no absolute safety can be assured in such a maze of regulations, the interpretation of which may vary in different cases, according to the opinion of the Court by which they are tried. He says, for instance, that as regards "repeat" prescriptions it is the safest course to re-copy every time. Undoubtedly it is, but an intelligent interpretation of the Statute would hardly insist upon this, as a reference to the original entry would satisfy every necessary purpose.

The Literature of Pharmacy,

if what De Quincey called "the literature of knowledge" may be held to include text-books and vade mecums such as we use with profit in our daily business, has again been honoured by the conferment upon Mr. E. W. Lucas of the rank of Commander of the Order of the British Empire, as it was recently by the knighthood given to Sir Peter Wyatt Squire. The fact that both these gentlemen are chiefly known in pharmacy for their literary works is noteworthy, though these may not have been the immediate cause of the honours now awarded them. The list of such honours given to pharmacy is not so long as to rob recipients of the distinction they are intended to confer, though there is some danger in the almost universal shower that, as "Punch" hints, the real distinction may ultimately be the having escaped without a tag to one's name.

A "Clear Definition"

of the term "Patent Medicine," as it is actually used, is difficult, and a general definition, in accordance with the usual sense of the words employed, and including all existing patents, would perhaps extend undesirably the scope of the tax on this class of goods. A patent medicine, let us say, is a proprietary medicine put forth as a remedy for any bodily ailment, whether internal or external. By "proprietary" is to be understood "owned by a person or company having the sole right to make, use, or dispose of"; by "medicine," "any substance used as a remedy"; by "remedy," anything that "cures, corrects, counteracts, or removes"; by "ailment," "any indisposition or morbid affection" of the body. These are commonly accepted dictionary definitions, but if they were used to determine the incidence of the tax on medicines a good many articles now exempt would require the stamp. There seems to be no logical reason against this, but it would be highly inconvenient.

The Historic Pharmacy in Berlin,

of which an account translated from a local paper appeared in the *C. & D.* some months ago, is not the oldest existing establishment of the kind in the Fatherland, as will appear from the following account of one at Hildesheim, a city in which naturally we look for antiquities, as it retains an unusually large proportion of mediæval characteristics. I regret very much that when in Hildesheim some years since I was unaware of the existence of this old *Apotheke*, and cannot give its exact address. I remember vividly many of the ancient timber houses in the market-place and elsewhere (not to mention churches and other public buildings), and have preserved photographs of many of them, but this, to me the most interesting place of all, is not, alas! among them. The account given of the pharmacy in the "Vossische Zeitung" of May 2 runs as follows: "The *Ratsapotheke* at Hildesheim could yesterday celebrate its sixth centenary. With this age it can claim to be the oldest *Apotheke* in Germany. For whereas the first *Apotheken* arose at Nuremberg in 1404 and at Leipzig in 1409 (and these have by some been regarded as the oldest), a document of May 1, 1318, now gives certain evidence of the existence of one at Hildesheim. Even the name of the first *Apotheker* has been preserved. He was called Reinert and described in the annals as *Apothekarius* and *Gewürzkrämer* (spice-seller). Later the *Rat* (city council) acquired this *Apotheke*, and since the year 1518 it has been on the present site." Wootton, relying on Beckmann, says that the first exact dates for the *Apotheken* of Germany begin with the fifteenth century, but in a note he refers to a Nuremberg ordinance of 1350 relating to them. Even this leaves precedence to the Hildesheim one.

EXPORT OF CINCHONA AND QUININE FROM JAVA.—Press telegrams from Java indicate that as a result of a conference between the Governor-General of the Netherlands East Indies, the President of the Netherlands Commercial Co., and representatives of the Java cinchona and quinine interests, exports of cinchona and quinine are likely to be resumed.

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Editorial Articles.

The Sale of Poisoned Grain.

CHEMISTS in agricultural districts are often asked to supply poisoned grain for destroying house-sparrows, which, in the opinion of most farmers, do more harm than good to crops. The sale and use of poisoned grain was regulated by the Act to Prohibit the Sale and Use of Poisoned Grain, 1863, this Act being passed to prevent the destruction of birds by poisoned wheat. The Act was repealed in 1911, its provisions being embodied in the Protection of Animals Act, 1911, so that it will only be necessary to consider the last-mentioned Act. Section 8 refers to the use of poisoned grain and flesh, the first part of the section being as follows :

If any person—

(*a*) shall sell, or offer or expose for sale or give away or cause or procure any person to sell or offer or expose for sale or give away, or knowingly be a party to the sale or offering or exposing for sale or giving away of any grain or seed which has been rendered poisonous except for *bonâ-fide* use in agriculture . . . . such person shall upon summary conviction be liable to a fine not exceeding five pounds.

The Act applies to Ireland, and in the Protection of Animals (Scotland) Act, 1912, Section 7, the provision quoted above is reproduced. The question then arises as to whether it is a "*bonâ-fide* use in agriculture" to employ poisoned grain for destroying sparrows. Judging from the fact that the Board of Agriculture and Fisheries issue a leaflet (No. 84) giving instructions as to the methods of destroying sparrows, it may be assumed that the destruction of these birds is a legitimate object. The leaflet does not, however, mention poisoning among the methods of reducing the number of sparrows. In the Poisoned Grain Act, 1863, the sale was permitted of "any solution or infusion or any material or ingredient for dressing, protecting, or preparing any grain or seed for *bonâ-fide* use in agriculture only, or the sowing of such last-mentioned grain or seed so prepared." The provision is not given in the Protection of Animals Act, 1911, and in this respect the Act now in force effected an alteration in the law in permitting the sale of ready-poisoned grain for *bonâ-fide* use in agriculture—the sale of poisons being otherwise regulated by the Pharmacy Acts. The Wheat, Rye, and Rice (Restriction) Order, made under the Defence of the Realm Act, makes it an offence to use the cereals mentioned for any other purpose than the manufacture of articles suitable for human food, so that *at the present time it is an offence to poison wheat even though it may be for a bonâ-fide use in agriculture.*

War-time Commodities.

DURING the war many of the smaller German soapmakers have been compelled to close down, owing to lack of raw materials, and it is only a few of the larger ones who are manufacturing under Government control. A union has been formed among the smaller makers, who have now plenty of time on their hands to "organise."

THE SOAP-TRADE.

It is not anticipated, however, that they will be able to get a share in any of the raw materials available. This is significant, in view of the fact of a question that has been put in the House of Commons to the Parliamentary Secretary to the Ministry of Food, asking him :

Whether he is aware that 80 per cent. of the whole output of soap in this country is produced by firms or companies either owned or controlled by Lever Bros., Ltd., and Brunner, Mond & Co., Ltd., and, if so, will he take steps to see that the proposed Executive Committee of the new Soapmakers' Association, which is being formed in the national interest at the request of the Government, contains adequate representation of firms or companies having no connection, either direct or indirect, with these two firms, and that every branch of the soap-industry is represented.

Mr. Clynes, in reply, said that in any scheme which may be put forward for the control of the soapmaking industry every possible precaution will be taken to safeguard the interests of the smaller manufacturers. Although soapmakers in this country have had their troubles with raw materials, such as tallow and oils, they have enjoyed prosperity during the war, in export as well as home trading. One of their grievances is that, being Government-controlled establishments, they have been compelled to sell their refined glycerin to the Ministry of Munitions at the fixed price of 59*l.* per ton, whereas in Paris and New York such glycerin is selling at 225*l.* a ton. This fact was referred to in the House of Commons the other day, when Sir J. McCallum called attention to the price of tallow, home melt of which was selling as high as 159*l.* per ton, whereas foreign was selling at upwards of 60*l.* a ton. There are several other anomalies which require adjustments—*e.g.*, there are practically

OLIVE OIL.

no supplies of olive oil available. This is partly because importers have been discouraged by the Food Controller, who has intimated that he takes possession of all imports and allows the importer a commission of 2 per cent.! We have come across instances of business involving several thousand-gallon lots of oil that were almost consummated, but fell through owing to action on the part of the Food Controller. In one of these cases the olive oil had actually been sold at reasonable prices for distribution to the wholesale drug-trade. Another instance of the elimination of the merchant has occurred

COCOA-BUTTER.

with cocoa-butter, the fixed price of which from the maker is 1*s.* 6*d.* per lb. for any quantity from, say, a cwt. to a ton. Dealers were given a short time-limit to dispose of their stocks, as the price fixed was fully 6*d.* below the market price; but buyers naturally waited until the fixed price was in operation, when dealers had to dispose of their stocks at a loss. Golden syrup is another controlled product, fixed at 60*s.* to 62*s.* per cwt., but there is practically

GOLDEN SYRUP.

none to be had in the open market, and the Controller allows business to be done at 130*s.* and more! Raw linseed oil, which was fixed at 58*l.* per ton since the control was established, has at last been advanced to 75*l.*, more in accordance with market conditions. Egg-yolk, in which an enormous business has been done in Mincing Lane since the war, is probably the next product to be controlled, as the Controller has asked for a return of all stocks. This business fell into the lap of Mincing Lane as a result of the war, but control will deaden and take all the initiative out of it. In regard to supplies of British saccharin, about which a good deal has been published

SACCHARIN.

in the *C. & D.*, we are informed that technical difficulties in manufacturing the chemical on a large scale are the cause of the delay in providing the whole of the large amount required to meet the abnormal demand. When the optimistic information was conveyed to us there was reasonable expectation that the output would have reached a large amount. The raw material, plant, and labour were available, but unexpected difficulties prevented the materialisation of the output—it was, in fact, only about a quarter what had been hoped for. In view of the delay in obtaining a sufficient supply of British saccharin, facilities are to be given for the importation of saccharin during the next two months. Importers should therefore make fresh applications for permits to the Import Restriction Department.

The Abolition of the Poor-Law.

II.

THE redistribution of areas referred to in the *C. & D.*, June 8, p. 42, would have its influence on some dispensers' appointments. There are cases where County Boroughs, now forming part of Union areas extending over a very large acreage, would be required under the scheme to provide for their own poor, with the result that the value of appointments in such Unions will be seriously affected. There are instances where a large Union area is serving a wide and scattered district, and where the premises, being situate in a County Borough, will presumably have to be taken over by the County Borough Council, which will thus have thrust on to it premises much too large for its purposes, and a large proportion of whose hospital wards will stand empty. When, however, the Government realises the waste which would be involved by this abandonment of these premises, and the need of providing accommodation for the displaced inmates in other parts of the newly adjusted area, some arrangement would doubtless be made to provide for the admission of cases from adjoining areas, and so maintain the buildings in full use. This course, whilst obvious and economical, does not coincide with the expressed intention of the Sub-Committee to facilitate the classification of various types of cases in separate institutions. The proper carrying out of such a scheme, however, unless the Poor-Law people are to be widely scattered and removed to considerable distances from their own localities, will be an expensive affair. So far therefore as the Union Hospital dispensaries are concerned, the position of the dispenser is not likely to be adversely affected permanently. With regard, however, to the outdoor dispensaries the case is different. The Sub-Committee's proposal will involve the handing over of the supervision and treatment of the outdoor sick poor to the control of the Medical Officer of Health, and there are many Unions now extending over considerable areas where the splitting up of the area will seriously affect the prospects of the Union dispenser. These points require the careful consideration of those responsible for the oversight of pharmaceutical politics. Leaving the personal side of this matter, however, we again urge that pharmacists should seize this unique opportunity of securing for themselves representation on the new bodies which are to be formed. In this matter the personal interests of chemists and the interests of the trade demand from them some sacrifice of their personal feelings. The unpleasant feature of electioneering will be largely removed under the new scheme, leaving less excuse for pharmacists to allow their names to be put forward for co-option on the various new Committees which are to be established. The Health Committees under the scheme would be responsible in the future not only for the administration of the infectious-diseases hospitals and for the venereal clinics (which will no doubt be established by them) but also for the supervision and management of a new State hospital service, the magnitude of which is not fully grasped by the general public. Removed from association with the unpopular Poor-Law, it is almost certain that the use by the public of these hospitals would increase. They would become in reputation, as they are now largely in fact, general hospitals, and as the public mind became more familiar with the idea of a State service of this description, the influence and the attraction of the voluntary hospitals would probably decline. So far as the treatment of the outdoor

sick poor is concerned, there is a great field for honest spadework. The existence to-day of a system subsidised from public funds by which the medical requirements of a large section of the population are supplied by doctors who provide and dispense their own drugs is quite out of date. The system cannot be defended, and it only needs a strong effort on the part of those capable of educating the public on this matter to sweep away the whole system. The Medical Officers themselves would welcome the change, and the establishment of the Health Insurance dispensing scheme has proved that the difficulties hitherto alleged to exist were more or less unreal. It may be shown from actual experience in Poor-Law circles to-day that facilities can be provided in every type of Union for the dispensing of all medicines and the provision of all dressings, etc., either direct by the Guardians, or through the agency of the retail chemists. The expansion of State supervision and the growth of communal responsibility call more and more for the activities of every man capable of rendering service. In the ranks of pharmacy to-day there are hundreds of men whose efforts would be of incalculable value to the country in this direction.

An After-War Policy.

The President of the Board of Trade, addressing a meeting of dyers in Manchester this week, informed them that the Government had decided that the importation of all foreign dyes, except under licence, shall be prohibited for a period of at least ten years. There is no question that the manufacture of dyes has made splendid progress in this country, but the handicap which is placed upon the companies by the necessity of assisting the State in the prosecution of the war has prevented the development of the industry to the fullest extent. The importance of the pronouncement of Sir Albert Stanley cannot be over-estimated : it is in a sense a guarantee that the German poison-gas factories are not going to be allowed to resume their old position in the trade of this country. Something, however, must be done in regard to fine chemicals which do not come within the definition of dyes. These are just as important, because upon the profitable employment of the intermediates and by-products of dye-making depends the success of the manufacture of many dyes. This is apart from the necessity of ensuring a supply of medicines for the community. We suggest that the Board of Trade should extend to fine chemicals the decision reached in the case of dyes. It is possible also that much could be accomplished by a revision of Customs requirements in the direction of greater detail regarding fine chemicals imported into this country. This could be done, we believe, without any special legislation, although to make it certain that this country cannot again be fooled by Germans or their agents we think that power should be taken by the Board of Trade to find out the ultimate destination and uses of fine chemicals brought into this country. The purpose of such requirements is to enable a chemical department to be established in connection with the Board of Trade to make inquiries in those cases where large and frequent importations are made of fine chemicals. The manufacture in this country should be insisted upon in such cases, and we have no doubt that the Association of British Chemical Manufacturers would be prepared to work with the Government in the matter. Our suggestions do not, so far as we can see, violate the principles of any political parties, and, as there are no importers of German chemicals at the present time, there are no persons in this country who can object to the legislation on the lines we have laid down.

Overseas Trade in May.

A new high record in the value of imports into the United Kingdom was established last month, the total as shown by the Board of Trade returns being 125,883,581*l.*, against 87,625,713*l.*, an increase of over 42 per cent. The exports were valued at 44,967,221*l.*, an improvement of 1,529,965*l.* or 3½ per cent. more, while the re-exports were 2,936,169*l.* less, making a total decrease of 25,154,858*l.* for the five complete months of this year compared with 1917. The imports of chemicals, drugs, dyes, and colours for May reached 4,324,905*l.*, or 2,381,764*l.* more than in May last year. This increase was due to much larger receipts of "unenumerated chemicals" (including acetate of lime, acetone, ammonia muriate, sulphuric acid, etc.), amounting to 2,799,217*l.*, against 448,849*l.* These goods, of course, represent Government purchases. There were much larger imports of boron compounds—29,498 cwt. against 9,464 cwt.; brimstone improved from 6,524 cwt. to 58,640 cwt., calcium carbide from 22,620 cwt. to 64,089 cwt., saltpetre from 22,844 cwt. to 32,599 cwt., cream of tartar from 2,720 cwt. to 3,897 cwt., and tartaric acid from 1,479 cwt. to 1,933 cwt.; painters' colours and pigments, being on the list of restricted imports, fell from 52,947 cwt. to 22,332 cwt. On the export side there was the slight improvement of 96,367*l.* in chemicals and allied goods, the total being 2,025,933*l.*, to which drugs and medicinal preparations contributed 251,909*l.*, a contraction of 23,000*l.* Foreign-made quinine to the extent of 122,045 oz., was released, but of British only 8,179 oz. was licensed. The soda-compounds figures show exports of 469,478 cwt., a slight decrease, and the gradual restriction among exports of chemical manures, potash compounds, painters' colours and materials continued during May, practically the only exception being sulphate of copper, of which 6,635 tons was exported, and so far this year 26,948 tons have been shipped, or 8,192 tons more than in 1917.

Military Service.

From letters we have received from pharmacists over forty-three years it appears that many are in doubt as to whether they should submit themselves to medical examination in view of the agreement which has been reached with the Minister of National Service, to which we referred in the *C. & D.*, June 15, p. 44. At first sight it would seem that there is no objection in the circumstances to submitting to medical examination, but under the regulations a person who has been graded must appeal to the Tribunal within seven days if he wishes on any ground to secure exemption from military service. Our opinion is, therefore, that in view of the agreement between the Pharmaceutical Advisory Committee and the Ministry of National Service chemists over forty-three should not present themselves for medical examination, as this carries with it the corollary of an appeal to the Local Tribunal. Those who receive notifications that they are to present themselves for medical examination—in some cases this is being arranged for Wednesday and Thursday afternoons—should communicate at once with the Pharmaceutical Committee of their district, who will advise as to the course to be taken. We have been asked to state whether unqualified proprietors of drug-stores are affected by the agreement which has been arrived at with the Ministry of National Service. Our opinion is that closing of drug-stores through the joining-up of the proprietor would increase the drug-business of the local chemists, so that to that extent the Pharmaceutical Committee may have considered the matter. It is probable, however, that where these drug-stores are conducted single-handed the cases are such as are contemplated in the arrangement that was arrived at regarding "one-man" businesses. There is a point in the present crisis to which Pharmaceutical Committees should pay great attention, and that is to maintain, so far as possible, the most amicable attitude towards the military representatives. In one case we have knowledge of there has been a good deal of friction, and we cannot help thinking that the interests of chemists may have suffered, or at least have been placed in a less favourable light than otherwise would have been the case.

"Popular" Science Classifies Narcotics.—The following tit-bits are taken from a recent "Tit-Bits" article: "Morphino, sulphonal, and veronal are quite different from cocaine and heroin, in that they are seductive and sleep-inducing drugs. . . . Sulphonal and veronal are less dangerous [than morphine]. . . . Other hypnotic drugs, the use of which is unfortunately growing apace, are barbitone . . . ."

The Sale of Poisons in Great Britain.

By S. W. Woolley, Editor of "The Chemist and Druggist."

A lecture delivered before the Progressive Pharmacy Club on June 11, 1918.

(*Continued from p.* 473.)

Poison-bottles.

The regulations in regard to the use of poison-bottles under Section 1 of the Pharmacy Act, 1868, were made compulsory in 1899. The bottles used for liniments, embrocations (there is no difference in the English language between liniment and embrocation), lotions, and liquid disinfectants must be "rendered distinguishable by touch from ordinary bottles," and the regulations made under Section 5 require that the bottle or container for liquids must be "rendered distinguishable by touch from ordinary bottles or containers." It is not legally necessary to sell laudanum in a poison-bottle unless it is sold as a liniment. Solids do not require to be put into poison-bottles. The "name of the article" referred to in Section 17 of the Pharmacy Act is not necessarily the name of the poison. The name of the article may be "chlorodyne," "vermin-killer," or "straw-hat cleaner," but this does not affect the other labelling conditions.

Preparations.

In the Schedule of the Pharmacy Act, 1868, which was replaced by that of the Poisons and Pharmacy Act, 1908, much trouble was caused by the use of the expression "preparation," conflicting legal decisions making it doubtful as to which part of the Schedule a poison belonged to. By the adoption of the percentage principle in the Poisons Schedule of the Poisons and Pharmacy Act much of the difficulty previously experienced was swept away. The word "preparations" is still used, however, generally in the sense in which it is understood in pharmacy, but in the entry regarding poppies the wording seems to show that the "red poppy petals" might be regarded as a preparation of poppies. There is a difference between a "preparation" and an "admixture," the latter expression including complex mixtures of poisons or compounds containing a scheduled poison mixed mechanically with other substances. Examples of admixtures are ointments containing red iodide of mercury, the oxides of mercury, and white precipitate. The words "preparations containing" in the final clause in Part II. of the Schedule have a wider meaning than "preparations of" or "its preparations."

Derivatives.

The word "derivative" used in connection with the alkaloid entry in Part I. of the Poisons Schedule of the Poisons and Pharmacy Act means a substance produced by a molecular change in the alkaloid, examples being apomorphine and diamorphine, which are included in the Schedule by this expression. Homatropine is not atropine, but is brought by the alkaloid entry into Part II. of the Schedule as a "derivative." Salts of derivatives are not covered by the words of the alkaloid entry, but may possibly be covered by the "preparations and admixtures" entry in Part II. In the expression "derivatives" which occurs in the cantharides entry the meaning seems to be "manufactured or extracted from," thus bringing in cantharidin and the cantharidates.

Alkaloids.

Some alkaloids are specifically named in the Schedule—*e.g.*, aconitine and atropine; but the entry "Alkaloids—all poisonous vegetable alkaloids . . . and all poisonous derivatives of vegetable alkaloids" brings in a good many others. The question as to what is a "poisonous" alkaloid cannot be answered definitely. There have been cases of poisoning with quinine, but it is not usually regarded as poisonous. In drawing up the expanded list of poisons (copies of which have been distributed) the arbitrary rule has been adopted of regarding as poisonous those alkaloids which can be administered in doses up to about 2 grains. This rules out quinine, caffeine, narcotine, pelletierine, beberine, etc., but in view of the inclusion in Part I. of the Poisons Schedule of barbitone with a dose of 10 grains the decision is not altogether satisfactory. Animal alkaloids are not included in the entry, nor are artificial alkaloids, except in the Narcotic Drugs Order, where benzamine lactate and hydrochloride are mentioned. Cocaine, strychnine, morphine, hyoscine, colchicine, and emetine may be named as examples of alkaloids brought in under the alkaloid entry. Strictly speaking, vin, ipecac. is in consequence included in Part II. of the Poisons Schedule, but it seems a *reductio ad absurdum* to place it there. The entry of the sale of hyoscine in the poison-book was an important clue in the Crippen murder case in 1910. Strychnine is frequently used in criminal cases, and was employed in the Palmer or Rugeley poisoning case in 1855.

Glucosides.

Cantharidin is brought in under the expression "derivative" in the cantharides entry. Picrotoxin is specifically mentioned, and cocculus indicus (formerly much used for poisoning fish, destroying vermin, and hocussing beer) is brought into Part II. by the omnibus entry at the end, although, strictly speaking, cocculus indicus, a natural product, is not a "preparation or admixture." Digitalin and strophanthin appear to be covered by the omnibus entry, but if not they should be treated as scheduled poisons.

Omnibus Clause.

The final paragraph in Part II. of the Poisons Schedule by its general character brings into the mesh a large number of substances. The wording of the entry needs to be considered very carefully. It might be taken to mean that only preparations or admixtures of Part I. poisons are intended to be placed in Part II., whereas it really includes preparations or admixtures of both parts. The sense is better conveyed if in reading it the exceptions are excluded. The exceptions are (1) "preparations or admixtures in Part I.." (2) "preparations or admixtures the exclusion of which from this schedule is indicated by the words therein relating to carbolic acid, chloroform, and coca," (3) "such substances as come within the provisions of Section 5 of this Act." We then have left the sentence "all preparations or admixtures which . . . contain a poison within the meaning of the Pharmacy Acts." These are any poisons mentioned in the Schedule.

Vegetable Drugs.

The exact meaning of "aconite" as used in the Poisons Schedule is not known for certain. The word may be employed as the English name for *Aconitum Napellus*, in which case both the leaves and root are included, but it probably comprises all kinds of aconite, official and otherwise. Aconitine is well known as being extremely poisonous, and, as in the case of aconite, all its preparations are in Part I. of the Poisons Schedule. Aconitine was the poison used in the Lamson case in 1882. A similar ambiguity exists as to the meaning of "belladonna," "digitalis," "coca," "strophanthus," and "poppies." Coca-leaves are not included in the Poisons Schedule or the Poisons and Pharmacy Act, but as "coca" are specifically named in the Narcotic Drugs Order. The wording "except belladonna plaisters" under the belladonna entry in Part I. brings the plaisters into Part II. owing to the wording of the final entry in Part II. They may only be sold by registered chemists. The wording "except machine-spread plaisters" in the lead-plaister entry has a similar effect and brings spread adhesive plaister into Part II. Indian hemp is not a scheduled poison, but is included in the Narcotic Drugs Order on account of its anodyne and sedative properties.

(*To be continued.*)

"SANATOGEN."—The Ceylon Government has prohibited the importation into Ceylon, except under licence, of any goods bearing the trade-mark "Sanatogen."

JOHNSON BROTHERS, of Ireland, Great Ship Street, Dublin, and 28 Waring Street, Belfast, are carrying on their commission agency business with the help of lady travellers. During the absence at the war of Messrs. Alfred and James Johnson the North of Ireland will be worked by Mr. Henry Johnson and the South by Mr. Robert Johnson.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—The statistical data for 1917 show that 142,133 prescriptions were dispensed during the year, at a cost of 3,615*l.* 8*s.* 3*d.*—ingredients, 1,888*l.* 12*s.* 1*d.*; dispensing-fees, 1,726*l.* 16*s.* 2*d.*

Essex.—A meeting of the Essex County Pharmaceutical Committee was held on June 13. Acting upon the suggestion of the Commissioners, the Committee decided to remain in office for another twelve months. The report of the Central Checking Bureau for January and February was received and adopted. At the same time an exhaustive report on non-extemporaneous fees was discussed and accepted, a satisfactory state of pricing being shown. The Chairman explained in minute detail the situation of the county in regard to the Military Service Act, 1918. The yearly report of the L.A.E. was read and agreed to.

Kent.—At a meeting of the Insurance Committee at Maidstone on June 12, the Finance Sub-Committee reported that it had given consideration to complaints by the Pharmaceutical Committee on the late payment of chemists' accounts. Certain alterations had been made in the procedure of the pricing establishment, and it is anticipated that in future accounts which are received in time will be paid by the stipulated date—namely, the 15th day of the month. The total number of prescriptions priced in 1917 was 581,420, and Kent's contribution is therefore 781*l.* 1*s.* 9*d.* Mr. J. E. French, chemist, Sittingbourne, was thanked by the Chairman (Mr. C. Igglesden) for his services to the Committee.

London.—The Pharmaceutical Committee met at Bank Chambers, High Holborn, W.C., on June 11, Mr. G. B. Barnard (Vice-Chairman) presiding, when a letter was read from Mr. G. W. Hatfield consenting to retain the chairmanship till July. It was decided that the Committee remain in office for another year. The Secretary reported that the average cost per prescription for 1917 was found to be 5.74*d.* (ingredients, 2.91*d.*; dispensing-fee, 2.83*d.*), and that the relationship of the 1917 Tariff prices to those of 1915 was 89.35 per cent. The estimated cost of checking 1918 prescriptions is considerably less than for last year. It was resolved to inform the Insurance Committee that the pharmaceutical service is now adequate for the needs of the insured persons of Lambeth. Considerable discussion took place with regard to chemists and military service, and it was agreed that chemists should, in the event of questions arising in respect to their position, immediately communicate with the Secretary for information and guidance.

Middlesex.—At the meeting of the Pharmaceutical Committee on June 19, the Supervisor's report was submitted, which showed that the numbers and average costs of the scripts and prescriptions priced since those recorded for January (*C. & D.*, April 29, p. 48) were as follows: February—Scripts 59,131, average cost 8.03*d.*; prescriptions 68,870, average cost 6.90*d.* March—Scripts 57,308, average cost 8.13*d.*; prescriptions 66,474, average cost 7.01*d.* April—Scripts 63,042, average cost 8.29*d.*; prescriptions 73,442, average cost 7.12*d.* These figures show that the steady rise in the average costs manifested since June last, owing to the increasing prices of drugs, is still being maintained. Statistics for the first quarter of the year show that the average cost per prescription was 6.86*d.*, as against 5.81*d.* for the corresponding period of last year; the average ingredient-price was 3.56*d.*, as against 2.94*d.*: and the average dispensing-fee was 3.30*d.*, as against 2.87*d.* The gross profit showed a reduction from 49.39 per cent. to 48.10 per cent., though an increase on the figure—47.74 per cent.—for the whole of the year 1917. As the addition necessary to bring the 1917 payments up to the 1915 level would have made the average dispensing-fee 3.61*d.*, and the gross profit 53.59 per cent., it is obvious that the present terms of remuneration are still far from being satisfactory to panel chemists. So far as the Drug Fund is concerned, there is probably no reason why there should not be a further addition to the chemist's remuneration of at least 1*d.* per prescription, bringing the average dispensing-fee up to 4½*d.*, if not 5*d.* The pricing for March and April was remarkably accurate, the percentage of error noted being less than 0.20. Chemists are now showing greater promptness in submitting their accounts, but a few persist in using London forms, and thus cause delay in payment.

Oxfordshire.—At the meeting of the Insurance Committee on June 11, the Chairman said that it would be necessary to keep in touch with the National Service Representative in regard to the question of the exemption of chemists when that question came on. He suggested the appointment of a Sub-Committee, to consist of the Chairman, Mr. Butler, Mr. Fox, Mr. Nash, and Dr. Hitchings, together with Mr. Goodall, the Secretary of the local Pharmaceutical Association. This was agreed to.

South-Eastern Joint Pricing Committee.—An instructive report on the work of the Pricing Office for 1917 has been presented to the Committee by the Superintendent, giving details of the operations entailed in dealing with prescriptions and the preparation of statistics, and reflecting the careful and methodical manner in which the work is conducted. The remarks on prescribed remedies are interesting. They show that the number of drugs and preparations on the Official Chart and Tariff is about 600, of which the prices are supplied every month by the Insurance Commissioners; but, as was mentioned last year, the great number of non-Tariff drugs and preparations which are constantly being ordered necessitated the preparation of special lists for the use of the pricers. These lists have been extended until there are now nearly 1,000 drugs and preparations on the non-Tariff lists, and there are as many items on the list of proprietaries—*i.e.*, preparations made by some special maker. The preparation and constant revision of these lists constitutes a very large proportion of the work of the Pricing Office. The non-Tariff drugs include a number of somewhat uncommon preparations, which are interesting as showing the variety of medicines prescribed for insured persons in the South-Eastern Division. They include: Auri brom., ext. droser. rot. liq., ext. kavæ liq., ext. lactucæ, ext. monson. ovat. liq., Jamaica dogwood, lithii hippur., lycoperdon giganteum, pelletierine tannat, tinct. laricis, tinct. passifloræ, tinct. phytolacc. decand., traumaticin, and others which are practically unknown to the majority of dispensing chemists. With regard to proprietary preparations a very large proportion of the prescriptions for these articles are for compressed tablets of special manufacturers; galenicals, such as concentrated mixtures, liniments, syrups and ointments, supplied only by particular firms; medicated aperient waters, capsules, palatinoids, pills, vaccines, serums, asthma-cigarettes, brine crystals, medicated soaps, and bath-salts. Among the more widely known advertised remedies prescribed during the past year are Peps, Scott's Pills, Iron Jelloids, Allcock's Porous Plaster, Angier's Emulsion, Bisurated Magnesia, Carter's Pills, Condy's Fuid, Fellows' Syrup, Himrod's Asthma Cure, Kepler's Malt, Maltine, Bynol, Resinol, Healo, and Sanitas. All the Insurance Committees in the South-Eastern Division allow proprietary preparations, but the actual number, and even the nature of proprietary preparations ordered, vary considerably in the different areas. The number of times proprietary preparations are ordered in comparison with other drugs can only be given approximately, but it probably approaches 2 per cent. of the total number of prescriptions for the whole area.

Southport.—The monthly meeting of the Insurance Committee took place on June 4, Mr. David Richards presiding. Both chemists' representatives (Messrs. J. Righton and F. Battersby) were present. The Finance Sub-Committee recommended payment of chemists' accounts for March and April amounting to 105*l.* 19*s.* 7*d.*, to be debited to the Drug Fund. This was approved. The Medical Benefit Sub-Committee reported that the Clerk had laid before it a memorandum received from the Insurance Commissioners on the subject of the release of chemists for military service. The Sub-Committee referred the matter to the Chairman of the Sub-Committee (Mr. Richards) and the Chairman of the Committee (Mr. Gordon), with power to consult with the National Service Representative and the Pharmaceutical Committee, and take such action as they may consider necessary. This the Insurance Committee confirmed.

Stoke-on-Trent.—The Insurance Committee met on June 6, when the following recommendation of the Medical Benefit Sub-Committee with regard to drug prices was referred to the Pharmaceutical Committee for consideration: "That the Committee agree to the dispensing-fee ratio and the ingredients ratio ascertained to exist for the month of January of this year, to be applied to the prescriptions for the whole of 1918." Mr. Beechener drew attention to the fact that a further list of chemists for military service had been prepared, and the Medical Benefit Sub-Committee had agreed to it provisionally, having been assured that the service remaining would be adequate and efficient.

Wolverhampton.—A well-attended meeting of panel chemists was held on June 10, Mr. F. J. Gibson, J.P., presiding, when a letter was read from Sir Peter Squire thanking the Wolverhampton chemists for their congratulations on his knighthood. The Pharmaceutical Committee's report and statement of accounts were adopted, and it was unanimously agreed that the Committee remain in office for another year. It was also decided to decline to repeat

prescriptions of the Joint Committee (Tuberculosis) after June 30. The Secretary reported on the action taken locally in regard to the Man Power Act.

Worcestershire.—At the meeting of the Insurance Committee on May 25, Alderman G. H. Hobson submitted the report of the Special Sub-Committee with respect to the enlistment of chemists, which detailed what had been done in three cases of chemists who had been called up. Alderman Hobson said it was intended to review the situation in the whole of the county, to get returns of chemists, and then hold a conference in conjunction with the Pharmaceutical Committee to secure that there should be the necessary number of chemists left to attend properly to the civil population, approaching the matter with the idea of releasing all fit men possible. The Chairman protested against this report, and contended that the Committee had taken upon themselves to say what exemption certain men should have, and in fact acted as a Tribunal. He particularly took exception to the case of a Worcester chemist, aged thirty-four, Grade 1, married, whom the Sub-Committee recommended to the National Service Representative should have his exemption continued, because he was Secretary of the Pharmaceutical Committee. The Appeal Tribunal, he said, every day were sending men who were in a small way of business. Such men had to go never minding what happened to their business, which in many cases had taken years to build up, simply because they were unable to get under some one's wing. There should be equality of sacrifice, otherwise there would grow up a feeling that the law was not being fairly carried out, and if anything would reconcile people to compulsory service it was the idea that by it there would be equality of sacrifice. Alderman Hobson, replying, said the Committee had done what they were asked, which was to see that sufficient chemists were left to secure the health and welfare of the community on the same lines as the Chairman had advocated with respect to the doctors. Mr. E. H. Jones said the particular chemist had a business of his own and no assistant, and the Chairman said the case came before the City Tribunal, who had not the courage to decide, and it was postponed *sine die*, the chemist having the full support of the Worcester City Insurance Committee.

Yorkshire.—The West Riding Insurance Committee met at the County Hall, Wakefield, on May 30, Mr. J. Gillies presiding, when a letter was read from the Commissioners extending the Committee's period of office till June 30, 1919. The inconvenience which will attend any further recruiting of chemists was discussed and is to be further considered.

SCOTLAND.

Drug Accounts Committee.—The Central Checking Bureau (Glasgow) has issued the following tabulated statement in respect of the first quarter of the years 1915-18, showing the number of forms allowed, the total value of chemists' accounts, and the average value per form:

	Forms	Value £	s.	d.	Average d.
1915	730,679	28,977	0	5	9.51
1916	531,573	23,433	10	3	10.58
1917	536,736	21,400	16	9	9.53
1918	471,037	21,991	0	11½	11.20

Note.

THE POSITION IN SCOTLAND.—Presiding at the first of a series of lectures to the officials of approved Societies, given at the Christian Institute, Glasgow, on June 3, Sir James Leishman (Chairman of the Scottish Commissioners) expressed his gratification at the successful working of the Insurance Acts in Scotland during the past year. Nearly four million pounds had been expended on money benefits (averaging 2.78*d.* per man and 2*d.* per woman per week), and rather more than three millions on medical and sanatorium benefit and in local administration expenses. Sir James is very hopeful of increasing success for the scheme in the future.—The Scottish Commissioners have informed an approved Society that the members of an international Society who have elected to be separately valued under the 1913 Act are to be valued "as if they formed a separate Society." No Scottish members' part of the Contingencies Fund set up by the 1918 Act may be used for making good deficiencies existing in another country.

DOMINICAN EXPORTS IN 1917 included 734 cwt. bay-leaves, valued at 732*l.*, 1,960 cwt. citrate of lime (6,669*l.*), 32 barrels tamarinds (32*l.*), 778,133 gals. raw lime-juice (65,546*l.*), 149,775 gals. concentrated lime-juice (58,366*l.*), 469 gals. lime-juice cordial (103*l.*), 120 gals. bay oil (508*l.*), 5,159 gals. lime oil (17,900*l.*), 1,143 gals. hand-pressed lime oil (8,231*l.*), and 321 gals. orange oil (1,035*l.*).

Personalities.

MR. THOMAS B. CORNFOOT, chemist and druggist, Herne Bay, has been reappointed hon. optician to the Herne Bay Cottage Hospital.

MR. THOMAS CASSWELL (representing Johnson & Sons (Manufacturing Chemists), Ltd., London, E.C.) has removed to 24 Tithebarn Road, Southport.

MR. H. W. HARRIE, representing C. R. Harker, Stagg & Morgan, Ltd., is leaving Bournemouth and taking up residence in London. Communications to him should be made c/o C. R. Harker, Stagg & Morgan, Devon Wharf, Emmott Street, Mile End, London, E. 1.

COUNCILLOR THOMAS L. HOLLELY, Ph.C., has been appointed a Justice of the Peace for the borough of Retford. Mr. Hollely, who is an ex-Mayor of Retford, has many ties also with Sheffield, having served his apprenticeship in that city, and subsequently marrying there.

SIR WILLIAM CROOKES, O.M., F.R.S., who was eighty-six on June 17, informed a correspondent of the "Times" that he is investigating certain abnormalities in the spectra of meteorites and scandium. Another matter which he is studying is the cause of the emission of sounds by the Goodwin sands.

MRS. MARGARET LILIAN ROWLAND, wife of Mr. L. B. Rowland, chemist and druggist, Mayor of Wrexham, has been awarded the O.B.E. Mrs. Rowland has discharged the duties of Mayoress for upwards of two and a half years, and is actively connected with the Denbighshire Association of Voluntary Workers.

MR. PHILIP F. ROWSELL, J.P., chemist and druggist, Withycombe Raleigh, Exmouth, who is a prospective candidate for the Bridgwater Parliamentary Division, decided, after consultation with the local Liberal Association, to maintain the party truce at the by-election held on June 18. The sitting member was accordingly re-elected.

THE GOLDEN WEDDING of Mr. and Mrs. J. B. Brierley, Middleham, was celebrated on June 8. Mr. Brierley commenced business as a chemist and druggist before August 1, 1868, and was for a long time at Halifax, where he served on the Corporation. He is the senior member of the St. James's Lodge of Freemasons, into which he was initiated in 1869.

MR. EDMUND H. S. BAKER, chemist and druggist, 87 and 89 Shields Road, Newcastle-on-Tyne, has resumed the personal management of his business, having been discharged from the Army on account of permanent knee trouble caused by an injury sustained during the Somme battle. Mr. Baker, who passed the Qualifying examination in 1903, enlisted voluntarily in 1915, and was at the Front for over two years.

MR. AND MRS. WILLIAM PERKES PARRY, Woodcote, South Nutfield, celebrated their golden wedding on June 8 (see p. 39). The occasion was marked by a family presentation in the shape of an inscribed silver-gilt rose-bowl. Mr. Parry (Bartlett Hooper & Co., medicinal-capsule makers) is a registered chemist and druggist, and is the father of Mr. Ernest J. Parry, B.Sc., F.I.C. He is well known in South London as a member of the Lewisham Borough Council.

MEDICINAL PLANTS IN FRANCE.—The French Ministry of Commerce has appointed a Commission to study the means of developing the cultivation of medicinal plants and of co-ordinating the needs of buyers and sellers.

DRUGS FROM THE WOOD.—A company has been formed in Norway, according to the "Verdens Gang," for the manufacture of drugs from raw material, such as pine stumps and roots, which hitherto have been merely wasted.

TURKISH SULPHUR.—The "Handels Museum" publishes the following report from Constantinople on sulphur-production in Turkey: When, at the beginning of the war, the foreign import of sulphur ceased, the Turkish Government took the exploitation of the sulphur-mines at Kedshi Burlu, in the Sandjak of Burdur, into its own hands. According to the Turkish Press, the building of a large factory for refining the sulphur has now been started. The Government hopes in a short time to be able to cover the entire demand of the Turkish vine-dresser, the chief consumer of sulphur, from native production. The Austrian Consular report for the year 1916 states that these deposits, which are being exploited under the supervision of an Austrian expert, and which lie almost at the surface, contain 40-60 per cent. of sulphur. The yearly production, hitherto estimated at 5,000 t., is to be increased to 10,500 t. The sulphur so far distributed among the vine-dressers has been unrefined, but at the end of 1916 the Government had already ordered the necessary refining-machinery.

Trade Report.

42 Cannon Street, E.C. 4, June 20, 3 p.m.

BUSINESS continues extremely quiet, the shutting-off of imports and delays in granting export permits being contributory factors, and while the tonnage difficulty remains as acute as it is the Government naturally expect everybody to make sacrifices for the common weal. A feeling, however, seems to be prevalent that the Government do not seem to be sufficiently impressed of the danger ahead in allowing stocks in this country to run perilously low, or else they would show more alacrity and less reluctance in granting permits for necessitous medicinal chemicals, which are by no means bulky cargo. The comparative absence of business in this group makes prices somewhat unstable, and cutting is indulged in more freely in some of the popular items. Phenacetin is weaker again, and paraldehyde is also cheaper. Chloral hydrate is scarce, and tending higher. Resorcin and salol are on the easier side, and vanillin is not quite so firm. Lithia carbonate and citrate are dearer, as are ferri et ammon. cit. and potash citrate. Hyposulphite of soda is still very scarce and dearer. Among drugs ergot is selling at higher rates. Cascara sagrada has sold at full values. Senega is at a famine price. Honey has been in better demand. New English belladonna ext. is lower. Clove oil rather easier. Canary and fenugreek seeds have advanced. Coriander is lower. Peppers have had a sharp rise. Lime-juice is dearer and in good demand.

Higher	Firmer	Easier	Lower
Canary-seed	Antimony (crude)	Clove oil	Arsenic
Ergot	Chloral hydrate	Cloves	Belladonna ext.
Fenugreek-seed	Lemon oil	Phenacetin	Coriander-seed
Ferri et ammon. cit.		Pimento	Farina
Ginger		Resorcin	Gum acacia (spot)
Lime juice		Salol	Henbane-leaves (Eng. bien.)
Lithia carb.		Vanillin	Paraldehyde
Lithia citrate			
Peppers			
Potash citrate			
Soda hyposulph.			

Cablegram.

NEW YORK, June 13.—Business is quiet in drugs. Opium is lower at $23.00 per lb. for druggists' in cases. Copaiba is also lower at 85c. Belladonna-leaves have advanced to $1.50 per lb.

ACETANILIDE.—Export permits are still being refused by America, and the price here is firm at 7*s.* net.

ACETIC ACID.—The situation is unchanged. Negative answers are being given to most inquiries, no supplies being available. The Government is eking out small lots to meet urgent demands.

AMMONIA SULPHATE.—Export business was restricted to 545 tons in May. Home trade Government maximum prices are: June to August, 15*l.* 5*s.*; September-November, 15*l.* 15*s.*; December to February, 1919, 16*l.* 5*s.*; and March-May, 16*l.* 15*s.* per ton net cash, in makers' bags, delivered in Great Britain and Ireland.

ARSENIC remains in a rather disorganised state, quotations for fair lots ranging from about 100*l.* to 104*l.* as quoted by importers and agents of Cornish mines. The latter seem inclined to make a stand, but the tendency is very uncertain, chiefly because of the pronounced lack of demand. The lowest at which best Cornish powder could be secured is 102*l.*, while small lots command up to about 115*l.* Australian 98-per-cent. is worth 100*l.*, but there is not much of this to be had, and Japanese is offered below 100*l.* Imports are not heavy by any means, while freightage is very difficult. The chances are that the market may hold where it is for a while, but there is no confidence in stability in the lofty level of prices. There is no reliable quotation for yellowish African grades, and it is doubtful whether any notable quantities of this description could be secured unless ship-room can be got.

BALSAM CANADA is offered at 8*s.* 3*d.* per lb. on the spot in limited quantity.

BELLADONNA EXT.—The new English is now on offer at a reduction of 2*s.* per lb. on previous prices, makers quoting from 7*s.* 6*d.* to 8*s.* per lb., according to quantity.

BENZALDEHYDE, free from chlorine, is offered at 17*s.* 6*d.* per lb. on the spot.

BENZONAPHTHOL is quoted at from 42*s.* 6*d.* to 43*s.* per lb. net, as to seller.

BROMIDES.—Supplies are still short, and *ammon.* is very scarce indeed at 11*s.* to 11*s.* 6*d.* net for small lots. America does not appear to be liberating any. *Sodium* is in better demand, and parcels actually afloat or in stock are selling at from 5*s.* 3*d.* to 5*s.* 6*d.* net. *Potassium* is quiet at 10*s.* 3*d.* to 10*s.* 6*d.* net.

CAMPHOR OIL.—The exports from Japan during March amounted to 916 kin, valued at 269 yen. During the three months ended March 31 the exports were as follows:

	1916	1917	1918
Kin	225,621	220,758	23,466
Yen	34,883	41,726	5,839

CANARY-SEED has further advanced in price to 235*s.* to 240*s.* per quarter for ordinary to good Morocco.

CASCARA SAGRADA.—Spot sales have been made at 150*s.* per cwt., and to arrive 170*s.* to 175*s.* c.i.f. is quoted.

CASSIA LIGNEA is firm, with sales of whole selected at 92*s.* 6*d.* and broken 82*s.* 6*d.* on spot.

CASTOR OIL.—Small supplies of neutralised seconds are still being delivered by the Controller on the basis of 87*s.* per cwt. No medicinal quality is obtainable.

CHLORAL HYDRATE.—Supplies are becoming very short on spot, and although there is still a seller at 13*s.* net *in bond*, in some quarters more money is asked.

CITRATES.—Ferri et ammon. cit., B.P., has been advanced 4*d.* to 3*s.* 4*d.* per lb. by makers. Potash citrate, B.P., has also been advanced 4*d.* to 4*s.* 2*d.* for powder or granulated.

CITRIC ACID is unchanged at 3*s.* 5*d.* on spot.

CLOVE OIL is on the easier side at from 21*s.* to 22*s.*, as to seller.

CLOVES.—Quiet, with spot sellers of fair Zanzibar at 2*s.* 4½*d.*

COCAINE.—The consignments of hydrochloride advised are smaller than usual, and it is not unlikely that the price will improve again, as stocks are very much reduced.

COPPER SULPHATE is in steady demand for home agricultural use at 52*l.* per ton for June-August delivery. Export trading remains quiet at 65*l.* per ton in casks, less 5 per cent. f.o.b. Liverpool. The British exports in May were 6,635 tons, against 5,840 tons, and for the five months (January-May) the total is 26,948 tons, against 18,756 tons.

CORIANDER-SEED.—In view of sales of new-crop Morocco at 40*s.* per cwt. c.i.f. terms, holders of old crop on the spot are willing to accept lower prices to clear; the nominal quotation is about 60*s.* per cwt.

COUMARIN is offered at 175*s.* per lb. on the spot, and at 165*s.* to arrive.

CREAM OF TARTAR.—Sales of 98-per-cent. powder are being made on the spot at 415*s.* per cwt., and 99 to 100 per cent. at 420*s.*

CREOSOTE.—Carbonate is difficult to obtain at about 60*s.* per lb. Beechwood creosote is in good demand at from 25*s.* to 26*s.* per lb.

ERGOT is still extremely scarce; for a limited quantity of Spanish on the spot 5*s.* is asked.

FARINA is again rather cheaper, No. 1 Japanese offering at 72*s.* to 75*s.* on spot, and June-August shipment at 69*s.* 9*d.* c.i.f. *Sweet* is quiet at 70*s.* c.i.f. for July-September shipment.

FENUGREEK-SEED is dearer on the spot for Morocco at 42*s.* 6*d.* per cwt., but some sellers are holding for 45*s.*

GINGER is dearer, with spot sales of washed Cochin at from 97*s.* 6*d.* to 100*s.*, and Calicut at from 95*s.* to 100*s.* Japanese is 92*s.* 6*d.*

GLUCOSE.—Small spot sales of *liquid* have been made at 142*s.* 6*d.* per cwt., but to arrive (date of delivery uncertain) 95*s.* to 97*s.* 6*d.* is quoted.

GUAIACOL CARBONATE is worth from 107*s.* 6*d.* to 110*s.*, not on spot.

GUM ACACIA is easier, with spot sellers of Sudan sorts at 84*s.* per cwt. and afloat at 80*s.* c.i.f.

HELIOTROPINE.—Crystals are offered at 37*s.* per lb. for a parcel afloat.

HENBANE EXT.—New English is unchanged at from 11*s.* to 11*s.* 6*d.* per lb.

HENBANE-LEAVES.—New crop English second biennial is 1*s.* per lb. cheaper at 9*s.* per lb.

HEXAMINE is still scarce, but can be bought at 10*s.* to 10*s.* 6*d.* per lb. on spot.

HONEY shows a steadier feeling since the public sale, and holders are more inclined to operate again at the more favourable prices initiated at the last auction; the sales include palish to good set Cuban at 185*s.* to 187*s.* 6*d.*, and liquid at from 172*s.* 6*d.* to 175*s.* Californian can be had at 190*s.* to 195*s.*, and liquid Australian 190*s.* on the spot, at which business has been done.

HYDROQUINONE.—The few consignments arrived and afloat have temporarily relieved the scarcity, and 17*s.* 6*d.* to 18*s.* will still buy.

LEMON OIL is again firmer, and spot prices are from 4*s.* to 4*s.* 2*d.* per lb.

LIME-JUICE is in good demand, with sellers obtaining the higher prices of from 3*s.* 6*d.* to 4*s.* per gal., according to quality. The cheaper parcels of old import appear to have been disposed of. Fair arrivals (which are not reported) appear to have taken place in Liverpool and Bristol.

LIME OIL is a dead letter, and the price of West Indian distilled is nominal at 6*s.* 6*d.* per lb.

LINSEED OIL.—There has been rather an acute scarcity for some considerable time, which is not surprising in view of the severe restrictions on freightage facilities for raw material. Great efforts are being made in order to remedy this, as emphasised by the drastic action by the authorities in raising prices very substantially both for linseed and the oil. The possibility of such action had been already discussed for some time previously, owing to the urgent necessity of encouraging the movement of supplies from the chief growing countries. The maximum prices of linseed were recently advanced 7*l.* 15*s.* to 37*l.* 15*s.* for Bombay and by 5*l.* 12*s.* 6*d.* per ton for River Plate to 33*l.* 12*s.* 6*d.*, both net, delivered home ports. A proportionate advance has been enforced in the maximum of linseed oil to 75*l.* per ton, which compares with the previous price of 58*l.* per ton. The current price thus stands some pounds per ton above the highest figure ever recorded before the war. The available supplies of oil are chiefly reserved for Government use, so that manufacturers not directly or indirectly identified with essential orders find insuperable difficulties in securing parcels. However, there is no doubt that the very high prices will assist in accelerating seed supplies, and thus enable crushers to appreciably restore their operations. Prospects in regard to supplies of new crop Indian seed are not very encouraging compared with the previous two seasons, but it is expected that good quantities will come forward from the River Plate, although American competition has to be reckoned upon in that quarter.

LITHIA SALTS are dearer. Some small lots of American *carbonate* have arrived, and 11*s.* is asked. *Citrate* has advanced to 9*s.* 6*d.*

MENTHOL is quiet, but steady, with Kobayashi offering at 13*s.* 10½*d.* and Suzuki at 13*s.* 9*d.* on the spot; sales of May-July and June-August have been made at 13*s.* 6*d.* c.i.f. and *oil* at 3*s.* 6*d.* c.i.f. for Kobayashi-Suzuki. The exports from Japan during March amounted to 21,891 kin, valued at 142,250 yen. During the three months ended March 31 the exports were as follows:

	1916	1917	1918
Kin	150,505	70,956	49,785
Yen	935,768	477,268	308,065

The destinations were as follows:

To	1916 Kin	1917 Kin	1918 Kin
British India	4,576	2,928	7,111
Great Britain ...	70,195	15,115	8,326
France	28,738	1,361	450
United States ...	42,446	47,068	30,758
Other countries ...	4,550	4,484	3,140
	150,505	70,956	49,785

METHYL SULPHONAL can be had at from 80*s.* to 82*s.* 6*d.*, and sulphonal is unchanged.

MILK-SUGAR.—Practically all the recent arrivals have been appropriated, and further shipments are eagerly awaited. It is to be regretted that the Government do not give better facilities for granting importations, as it is inimical to the interests of the nation that consumers should have to pay up to 7*s.* per lb. for so essential a foodstuff, especially as we are practically dependent upon the U.S.A. for supplies, as Dutch is not yet forthcoming.

MINT OIL.—Sales of Japanese dementholised include July-August shipment at 3*s.* 6*d.* per lb. c.i.f. The exports from Japan during March amounted to 6,218 kin, valued at 14,099 yen. During the three months ended March 31 the exports were:

	1916	1917	1918
Kin	141,478	33,985	16,913
Yen	330,430	80,923	36,705

NAPHTHALINE.—Dealers offer best flakes at 35*l.* per ton and marbles at 70*l.* to 74*l.* per ton, as to quantity, on the spot.

OILS (ESSENTIAL).—The following are current quotations: *Star anise* "Red Ship," 4*s.* 6*d.* spot and 4*s.* 1½*d.* c.i.f. *Cassia*, 80 to 85 per cent., 7*s.* spot and 6*s.* 9*d.* to 6*s.* 10*d.* c.i.f.; 70 to 75 per cent., 6*s.* 6*d.* spot and 6*s.* c.i.f. Ceylon *Citronella*, 3*s.* 5*d.* and Java 4*s.* 3*d.* spot. *Clove oil*, 21*s.* Bourbon *Geranium*, 27*s.* spot. *Bois de Rose Femelle*, 16*s.* 9*d.* spot and 16*s.* 6*d.* c.i.f. French *Spike Lavender*, 5*s.* 6*d.* to arrive. *Lemongrass*, 70 to 75 per cent., citral, 6½*d.* per oz. spot. *Neroli*, 17*s.* per oz. French *Petitgrain*, 27*s.* 6*d.* per lb. c.i.f. to arrive; Paraguayan, 17*s.* spot and 16*s.* 6*d.* c.i.f.

PARALDEHYDE.—Competition between the English and American makers is very keen, and some holders are selling their stocks at a loss; 10*s.* 6*d.* per lb. is about the value.

PEPPERS are again dearer, the sales including *black* Singapore on spot at from 1*s.* 6¾*d.* to 1*s.* 7¾*d.*, Tellicherry at from 1*s.* 7*d.* to 1*s.* 9*d.*, and Alleppy at from 1*s.* 6½*d.* to 1*s.* 8¼*d.* *White* is also dearer, spot sales comprising Muntok at from 2*s.* 10½*d.* to 3*s.* 2*d.* and Singapore at up to 3*s.*

PHENACETIN, as anticipated, is again a little easier to the extent of 1*s.* per lb., business having been done at 24*s.* net.

PHENAZONE.—Owing to the non-arrival of expected consignments, price-cutting is not so prevalent, and market is somewhat steadier at from 45*s.* to 47*s.* 6*d.*

PHENOLPHTHALEIN is scarce at about 45*s.*, and to arrive 40*s.* is quoted.

PLATINUM.—Washington returns give the total American imports of crude platinum during 1917 as 31,921 oz., but this does not include the 21,000 oz. Russian crude imported on behalf of the United States Government over the end of last year. Only 605 oz. were sold last year by placer mines, against 705 oz. in the previous year. The refinery output amounted to 33,000 oz., while other rare metals produced were palladium 14,800 oz., osmiridium 833 oz., and iridium 210 oz. Owing to the saving of platinum scrap of all kinds the recovery of secondary platinum metal was considerably larger than in the previous year, the respective returns being 72,000 and 48,000 oz.

POTASH CARBONATE.—Arrivals aggregating 616 cases have taken place in Liverpool, and are badly wanted.

RESORCIN is offered at the easier price of 46*s.* per lb. on the spot.

SACCHARIN.—We understand that in the early part of the week import-licences on this side were still being refused by the Import Restrictions Department, and that no new export-licences are being granted in the U.S.A., but on Wednesday we learned on official authority that importers are now invited to apply for import-licences, which shows a better appreciation of the situation by the Government. The much-talked-of *Cascapedia* has arrived in Liverpool, but those supplies are being rapidly absorbed; there is also a fair quantity afloat. The inquiry has been keen, with business done at varying prices, including 550 pure at 260*s.* per lb. net, duty not paid. Apart from this there are sellers at from 390*s.* to 395*s.*, duty paid.

The "New York Commercial" (May 24) states that saccharin is meeting with quite a heavy inquiry, but the market is not any firmer, probably for the reason that offers are promised next week in moderate quantities from a new maker with plant in New Jersey. A peculiarity of the market is that the soluble is now said to be worth more than the insoluble, this being due to the fact that production of the former variety has shown a decline of late.

The New York "Oil, Paint, and Drug Reporter" states that the export demand has become *nil* under the refusal of permit to make such movements. Considerable material has lately been forwarded to English sources, but British manufacturers are fast getting to the point where the needs of the Empire will be met satisfactorily, if not easily. [The present position of English makers does not in any way justify this latter statement.—EDITOR.]

SALICYLATES.—Salicylic acid is unchanged, finest B.P. powder offering at 4*s.* 6*d.*, and less for quantity. Holders seem disappointed that the demand has not revived, but the weather has been against consumption. Sodium salicylate is unchanged.

SALOL is offered at the easier rate of 9*s.* 9*d.* to 10*s.* per lb. on the spot.

SHELLAC is very quiet, T.N. Orange on fair basis offering at 335*s.* and I.G. Garnet at 335*s.* on spot; T.N. for July-August shipment is quoted at 305*s.* c.i.f., and A.C. Garnet at 315*s.* c.i.f.

SENEGA has been more inquired for of late, but the stock seems to be represented by single-bale offers at 7*s.* 6*d.* per lb.

SODA HYPOSULPHITE is dearer and very scarce at 62*s.* 6*d.* per cwt. for ordinary crystals.

SPERMACETI continues very scarce at 1*s.* 9*d.* per lb. on spot for American refined.

STARCH-POWDER.—Finest maize can be had in limited quantity at 120*s.* per cwt. on the spot.

THEOBROMINE.—The pure alkaloid is offered at 50*s.* and sodium salicylate at 40*s.* per lb.

VANILLIN.—Rather cheaper; offers from second-hands have been prevalent of late at from 67*s.* to 68*s.*, but some of the leading interests still ask 70*s.*

WAX, VEGETABLE.—Japanese is quiet, with sellers at 130*s.* on the spot and 125*s.* c.i.f. to arrive.

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Cinchona and Quinine.

Recent messages from the Netherlands East Indies and Holland chronicle a number of interesting announcements in connection with cinchona and quinine. Heer Lovink, Director of the Department of Agriculture, Commerce, and Industry in Java, who has made a considerable repatation there as an administrator, owing to his tactful handling of the cinchona and other difficult planting questions, has resigned his post to take up the position of President of the Cinchona Bureau at Amsterdam, in succession to Heer Ramaer. The Amsterdam Quinine Factory has declared a dividend for 1917 of 250fl. per share. Heer Sieger has resigned his post as managing director, and along with Dr. A. R. Van Linge has joined the board of directors.—A rather cryptic message from the Netherlands Indies Press Association states that cinchona-planting, evidently on behalf of England, America, and France, is being undertaken in the Pamanoekan and Tjiassem districts, and that local experts are of opinion that the sites are not well chosen, being too low-lying. If this message is true, it seems odd that the planting has not been undertaken in India, Ceylon, or British East Africa, three British Possessions in which there are ample areas suitable for cinchona.

American Export Licences.

Chas. L. Huisking, Inc., New York City, have issued a circular in regard to American exports, in the course of which they state that "Before an export licence can now be secured for shipment abroad it is necessary to submit the applications for licence in the case of shipments to England to the British Mission, for France to the French High Commission, for Italy to the Italian Commission. If in their opinion it is advisable to grant the licence the applications are forwarded by them to the American War Trade Board. If they pass favourably thereon the licence is granted, but before shipment can be made it is necessary to obtain permission from the War Industries Board, thus making a treble check on all applications made for export licences for certain commodities. It can be readily appreciated, of course, that the object of this is to eliminate the possibility of non-essentials taking up the space necessary for essentials, and we suggest the advisability of our buyers in England, France, and Italy securing from their War Trade Board the necessary permission before cabling orders to this side to be filled. We do not look for much interference in the way of drugs and chemicals, in fact believe that this new arrangement will facilitate the freer movement of essentials, and we should give our hearty support to it."

Valerian-root.

The demand for this root has far exceeded the supply, as it is used in the alleviation of shell-shock, etc., in the Army and Navy. So much is this the case that the price has practically trebled since the war began, and at the last drug sale a good quantity of Indian valerian was catalogued, but was sold prior to the auction. Herb-growers would do well to plant out at once (it is not too late in the North of England and Scotland) all the suckers they can procure. Unfortunately many people mistake the red valerian, *Centranthus ruber*, for the official plant. One wholesale house received a consignment of this root from a lady collector who "knew" valerian well!

It is time that experiments were made with other species of valerian. Unfortunately, the Japanese valerian "kesso" has an unpleasant flavour, which gives quite a different taste to the tincture, but the Indian valerian is more agreeable than the English. There are also many other plants neglected in this country except by herbalists which are used as nerve-tonics, such as *Scutellaria lateriflora* and *Cypripedium pubescens*. The fruits of various species of viburnum, notably those of the wild Guelder rose, have a powerful odour of valerian, are obtainable in quantity, are easily dried, and would make a clear tincture.

The Brunner-Mond Co., of Canada, Ltd., in which the American Solvay Process Co., of Syracuse, is largely interested, is about to establish a plant for the manufacture of soda ash at Amherstburg, in Essex Co., Ontario, at an estimated cost of $3,000,000.

Chinese Opium Deal.—An agreement has been signed whereby the Government purchases the 1,700 chests, the balance of the Shanghai Combine's stock of Indian opium, at 6,200 taels per chest. The Government will sell it at 8,200 taels per chest to a Chinese syndicate, whose headquarters are at Nankin. The syndicate will also purchase all opium in China, consisting of the Yunnan product and Persian opium smuggled into China before the enforcement of the monopoly.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Military Service.

Sir,—As mistakes are being made right and left in this matter, I should be pleased if you would grant me space in which to make a few observations. What is being attempted centrally is "management," which deals chiefly with individuals. What I believe should be carried into effect is business strategy or "organisation," which deals with plans and schemes rather than with individuals alone. Good strategy can only have effect as the result of "decentralisation," by means of which the lesser reins of control are turned over to able men responsible for those smaller plans which, taken together, constitute the whole. The Secretary of every Pharmaceutical Committee must be a competent man, responsible to his own particular area, and no other. Secretaries of both Pharmaceutical and Insurance Committees are building-up lists containing names of men who, while on their panel lists, are not resident in their areas. The result shows a fictitious and inflated number of pharmacists throughout the country, which is scarcely good strategy. The prevention of this inflation should be effected centrally. Chemists coming under the Military Service (No. 2) Act, 1918, have been wrongly called up for medical examination, as was found to be the case. Rectification is a matter for decentralisation. The correct method of procedure is not, in my opinion, the returning of these notices by the persons concerned, but should have been effected by submitting them to the Secretary of the Pharmaceutical Committee for the area, who should have endorsed and returned them to the R.O., intimating on what grounds they were out of order. Complaints have been made that secretaries of Insurance and Pharmaceutical Committees have requested the provision of information concerning the business affairs of individuals that was unnecessary and unwarranted. The Secretary of an Insurance Committee would scarcely be interested in the obtaining of information unnecessary to his office, did he understand what was required; and the Secretary of the Pharmaceutical Committee ought to be in a position to know exactly how much was required. It should, I think, be the business of our controlling body to be engaged in thinking while making others act. If there had been sufficient thought centrally, and perhaps less action which might well have been done locally, I am of the opinion it would have been foreseen that the lists required by paragraphs 10 and 12 of the National Service Instruction were quite outside the scope of the clerks of Insurance Committees unaided, since they related to both non-panel and panel staffs, with regard to the former of which clerks of Insurance Committees would scarcely have the necessary information. One might have expected, on receipt of I.C.L. 230B, a communication from the Society asking that the secretaries of Insurance Committees should provide the clerks of Insurance Committees with the lists required by paragraphs 10 and 12 of the Instruction, and which would have prevented any reason for complaint. In my own case, as no such request was received, I took the matter into my own hands, being in a position, by having up-to-date records in my office, to supply immediately the information required, thus saving the Clerk the necessity of compiling data (including non-panel staffs) it would otherwise have been necessary for him to seek.

Yours faithfully,

Codnor. C. W. Ridyard.

The Whitley Report.

Sir,—Pharmacists have not yet realised how what is known as the Whitley Report affects their profession. The object of the Committee which issued it was to encourage the formation of conjoint Councils for definite purposes of employers and employés in all organised trades. Pharmacy comes largely within the distributive trades which have not yet been fully dealt with because of their being partially organised. There is one element in pharmacy which offers scope for action, and that is National Service under the Health Insurance scheme, as well as public services generally. Non-proprietor pharmacists have already established a branch of the Shop Assistants' Union, called the Central Pharmacists' Branch. On May 30 there was a meeting of

this branch for the purpose of considering how they could fit their organisation so as to secure recognition under the Whitley Report. It was felt that the Insurance basis provided the necessary groundwork, and a Committee was formed to carry out the principles. It is desirable that every manager and assistant, whether in private or public service, of either sex, should be aware of this development. It is hoped to have an invitation meeting very shortly, and Mr. Fred Hawkins, Central Pharmacists' Branch, Dilke House, Malet Street, W.C. 1, will be glad to hear from any pharmacist interested in trade union principles and the possibilities of helping each other in the coming days of reconstruction. Yours truly,

NORTHERNER. (18/6.)

The Future of Pharmacy.

SIR,—The future of pharmacy will not be assured by eloquent amateurs who castigate the drug-grocer one week, and then, when tackled by "Xrayser II.," use up another column of the *C. & D.* to admit that they are also in the drug-grocery line. Mr. Body's flights of eloquence leave me cold and very tired. I have heard it all before; in fact, it used to be called "Carrying the old, old bucket to the old, old well." But that was twenty years ago. All our trade troubles could be put straight in one hour at a single conference of the right men, as I said years ago at Liverpool. This is quite well known to all of us, and I suggest to my friends Wolff and Harold Miller to tackle the job on the lines of "face-value." The fact is that Mr. Body and all of us are doing well in supplying the actual wants of the people. But this dealing in "bottled science," which pays the erstwhile retail druggist (now blossomed into a manufacturer), and pays us better than dispensing, does not fill the bill for those ambitious souls who aspire to "titles" and "status." I could a tale unfold of a Conference in London, where drug-grocers met, and when the "hot air" got wearisome two friends of mine took refuge in the nearest friendly tavern until they judged it safe to return.

"Oh, wad some power the giftie gie us
To see oorsels as ithers see us."

Glasgow is the latest "hot-air" factory, and inspired paragraphs in Glasgow papers tell us of the difference between English and Scotch trade—which is mostly moonshine. Forty years ago there might have been a difference, but to-day modern advertising has made our trade in "patents" from Land's End to John o' Groats, and made it all alike. True, Scotland has the private doctors' dispensing; but few could live on that without general trade, and it should not be forgotten that Glasgow doctors keep open shop. Sheep-dip, animal medicines, mineral waters, and tobacco are very big lines in Scotland, and patent medicines are coming on, after being left to the grocer for too many years—a great mistake. There are in Scotland, as in England, a few very high-class businesses; there are also retailers doing a big semi-wholesale trade—with grocers—as in England. Twenty-five years ago, when I was in Scotch trade, we had more proprietary concentrated mixtures than I have stock mixtures in Insurance dispensing to-day. We had begun to buy our stock pills long before I had finished my five years. And Scotch druggists are inveterate prescribers, in spite of dispensing; so that the difference is more imaginary than real.—Yours truly,

JAY MACK.

The Supply of Saccharin.

SIR,—*A propos* of Mr. T. D. Sneath's letter *re* saccharin (*C. & D.*, June 15, p. 50), the following facts may be of interest, and may relieve the anxiety of those who feel as he does. Shortly after the beginning of the year all American licences to ship saccharin were refused, *unless it was shown that the product was manufactured prior to January 1.* The strike at the Monsanto plant caused a great shortage during March and April, yet supplies in England were fairly good, and the price did not materially advance. Speculators were shouting, "No more American saccharin after the 1917 product is exhausted." The following is an extract from a letter dated May 23 from our New York house: "Joe (our carman) while shipping our cargo ex *Cascapedia* saw Monsanto's truck loaded with saccharin piled two stories high. The next day he saw even a larger lot, and the third day a similar lot, estimating same at about 35,000 lb. in all. Add to this our shipments and others that we know of and you have 40,000 lb. on this steamer as a minimum." Following this are two steamers carrying large saccharin cargo. The duty is now 6*d.* 12*s.* per lb. America holds John Bull in highest esteem as an excellent business man. The opinion prevailing in the trade there is that by some means or other there will be just a "leetle more saccharin a-comin'." Yours respectfully,

The Keene Co. IRVING A. KEENE.

Price-changes.

SIR,—Now that price protection is the order of the day, and prices are continually leaping upward in sudden bounds, the following point may appeal to others as well as myself as worth discussion and decision: Has the manufacturer or proprietor of a protected article the right to enforce on the retailer an alteration of price after the transaction as between the wholesaler and the retailer is completed? In other words, can the wholesaler or any other party impose on the retailer a condition which was not present at the time of purchase? A specific instance will make the point clear. Quite recently I purchased a stock of a certain P.A.T.A. article at 54*s.* per dozen. The minimum retail price was fixed at 6*s.* 6*d.* each, showing an excellent profit. I displayed the article with prices marked. Then suddenly the makers inform me that the minimum retail price is raised to 9*s.* 6*d.* This practically kills the sale of the article so far as my shop is concerned, and so far from putting extra profits in my pocket it puts the article on my shelves as dead stock. But the real question is, Having sold me the goods on clearly defined terms, the cash having been paid and the transaction completed, has the maker any right or power at a later date to impose fresh conditions as between me and my customers, provided that I adhere to the terms to which I agreed at the time of purchase?

Yours truly,

RESTIVE. (103/65.)

North British Executive Election.

SIR,—We desire to express our cordial thanks to all those who extended their support to us in the recent election of the North British Executive.

Yours faithfully,

H. P. ARTHUR,
A. MCMILLAN,
A. MURRAY,
J. H. RAMSAY.

Glasgow.

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

More Economy.

Camul (4/91) sends us a label taken from a mixture supplied from a doctor's surgery, which takes the form of a piece of 1-in. tape adhesive plaster, the directions being roughly written in ink.

Storing Vegetable Powders.

Alpha (90/39) asks the opinions of our readers as to the best manner of storing pulv. jalapæ co., pulv. iridis, pulv. ergotæ, and pulv. jalapæ. He finds that if stored in glass-stoppered bottles, tins, or paper parcels the powders become musty, even with normal atmospheric conditions.

Green Sulphur.

Referring to the reply to "Alpha" (89/28) in the *C. & D.*, June 15, p. 51, *Mr. H. Braddock, Westhoughton*, writes: "Green sulphur is a term applied to liver of sulphur (pot. sulphide), and used to prevent mildew on plants; it answers the purpose well."

Tinct. Card. Co.

A Liverpool correspondent wonders if dispensers have observed the difference in colour of mixtures containing tinct. card. co. (modified formula) and bismuth salts. The rather unsightly aniline-violet shade of the old formula is no longer seen, the new one imparting a pretty faint red colouration to such mixtures.

War-time Prescribing.

In view of the efforts that are being made to get medical men to modify their prescriptions so as to economise drugs, the following two scripts received this week by subscribers in London (105/6), and Edinburgh (106/34), are instructive:

The London Prescription.	*The Edinburgh Prescription.*
Lithiæ acetyl salicyl. gr. v.	Inf. senegæ ... ... ℥ss.
Purified bile salts (P., D. & Co.) ... gr. ij.	Mag. sulph. ... ... ℥iss.
Syr. thiocol ... ... ʒij.	Sodæ carb. ... ... ʒiss.
Pepsencia ad ... ʒss.	Tr. card. co ... ... ʒij.
T.d.s. Mitte ʒxij.	Bism. salicyl. ... ʒiss.
Digestin ... ... gr. v.	Potass. citr. ... ... ʒj.
T.d.s. p.c. Mitte 50.	Liq. bismuthi ... ʒss.
"Sternol" paraff. liq. (sp. gr. about 0.885); ʒss. nocte maneque. Mitte ʒxx.	Aq. menth. ad ... ℥vj.

"It looks as though post-graduate courses in prescribing would not only benefit the patients but effect a great saving in the national stock of drugs," writes one of the above correspondents.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. G. L. (99/33).—BOOK ON ESSENTIAL OILS.—Parry's "Chemistry of Essential Oils" is the most recent work on this subject. Vol. I. of the new edition has just been published (25*s*., Scott, Greenwood & Son), and Vol. II. is expected shortly.

R. W. W. (99/16).—PURIFYING WATER IN SWIMMING-BATH.—Copper sulphate has been found to be the only practical method of preventing the growth of algæ in lakes and swimming-baths. Chlorine is used also, but more with a view of purifying the water when it is in use for a long time. The electrolytic solution prepared from salt is the cheapest form to employ in this case.

F. S. T. (100/5).—BOOKS ON DYE-MAKING.—The best books for a beginning in the study of the manufacture of aniline dyes are the following: Cain & Thorpe's "Synthetic Dyestuffs" (C. Griffin & Co.); Wahl's "Manufacture of Organic Dyestuffs" (Bell); Cain's "Manufacture of Intermediate Products for Dyes" (Macmillan). It should be understood, however, that there is no work that covers the whole field of dye-manufacture. The manufacture of many dyes is covered by patents, and information can only be obtained by a systematic study of patent specifications. In the case of German patent specifications it is the aim of the patentees to mislead inquirers as much as possible, but at the same time prolonged research yields useful information as to the trend of modern manufacture.

U. D. C. (97/18).—SALE OF COCONUT OIL.—There is no restriction on the sale of your stock of coconut oil, but owing to the control which the industry is under you will not be able to replace readily your stock when it has been sold. All the coconut oil is now diverted to the margarine-factories.

T. M. B. (95/70).—SACCHARIN DILUTIONS.—The manufacture of sugar equivalents from saccharin is a matter of dilution, and this depends upon the strength of the saccharin. If it is what is known as "550"—that is, 550 times sweeter than sugar—25 gr. is equal to 1 lb. of sugar, and 8 lb. equal to a ton of sugar. It is usual to mix the saccharin with an equal quantity of sodium bicarbonate to make it into the soluble variety of saccharin, and the diluent employed for this mixture is sugar of milk. The difficulty which you will experience is to obtain sugar of milk at a reasonable price. You could, however, dilute the saccharin so that the resulting mixture is several times sweeter than sugar, and this perhaps is what you have in view.

G. P. (105/39).—THIOCARBAMIDE is a general name, but is generally applied to thiourea or sulphonurea, CH_4N_2S or $CS(NH_2)_2$. This substance is used in photography as a fixing agent and for removing stains from negatives.

H. R. (95/11).—We have no special formula for "chloroform hair-wash," but you should have no difficulty in devising a lotion with aq. chloroformi as a basis. If there is spirit in the formula more chloroform can be incorporated.

W. N. (94/44).—TOOTH-PASTE EXCIPIENT.—Glycerin is used for this purpose because of its hygroscopic qualities. As glycerin, syrup, or treacle is not now available for this purpose, you might try the effect of a saturated solution of calcium chloride. The taste of calcium chloride may, however, be found objectionable.

R. F. (95/37).—BOOKS ON PRESCRIPTION-READING.—Ince's "Latin Grammar" (Baillière, Tindall & Cox, 5*s*.); Bennett's "Medical and Pharmaceutical Latin" (Churchill, 6*s*. 6*d*.).

R. G. D. (106/59).—RASH CAUSED BY CATERPILLARS.—The rash and skin-irritation which sometimes follows the handling of caterpillars are supposed to be due to penetration of the skin by the fine hairs detached from the caterpillars. The effect is similar to the irritation produced by cowhage. The protection of gloves is needed as a preventive, and the application of an oil to the skin aids in preventing and alleviating the trouble.

Beuno (106/21). — SACCHARIN SWEETENING-POWDER. — A "lump of sugar" is rather an indefinite quantity, but you may take it that saccharin tablets containing 0.3 and 0.15 grain are an approximation of two and one lumps of sugar. The equivalent of "550" saccharin to sugar is 25 gr. equals 1 lb. sugar. As a diluent to make a sweetening powder you may use cane-sugar or sugar of milk.

C. W. P. (106/74).—SAFROL, the essential constituent of sassafras oil, is made from "red-oil," a product obtained by fractionating camphor oil, and from sassafras oil by a process of freezing, when the safrol separates, being afterwards purified by recrystallisation. The synthetic process of making it from magnesium methyl iodide and piperonal is only of academic interest. Your second inquiry seems to refer to one of the intermediates in the manufacture of saccharin. We gave a list of the expired patents in the *C. & D.*, March 2, p. 52, which you will require to search before you can hope to attain the object you have in view.

F. S. (107/55).—BRITISH LANOLIN.—The supplies are now plentiful, and the manufacturers have reached a high stage of excellence in the quality of the products. There is no reason why the manufacture of lanolin should ever revert to Germany. You will find the names of most of the largest makers of British lanolin in the *C. & D.* advertisements.

A. A. B. (94/64).—(1) MANUFACTURE OF HYDROGEN.—There is no book dealing especially with the manufacture of hydrogen as used for military purposes. Ordinary text-books do not as a rule deal with the newer methods of generating the gas. Martin's "Industrial Chemistry" (Inorganic), Vol. I., devotes about 10 pages to hydrogen, and summarises the newer methods. Hydrogenite is, we believe, largely employed now in military aeronautics. This substance is composed of ferrosilicon, sodium hydroxide, and slaked lime. Hydrolith (calcium hydride), used to some extent in France, is more expensive. The Messerschmitt process, which is of the water-gas type, is also used for generating hydrogen for airships. Information about this method can be gained from the patents 21479/08, 12242/12, 12243/12, 17691/13, 18028/13, 17692/13. (2) GAS-ANALYSIS.—The best books on gas-analysis are Dennis' "Gas Analysis" (Macmillan), 1913, and Lunge's "Technical Gas Analysis" (Gurney & Jackson), 1914.

J. L. S. (90/1).—(1) DESTROYING WORMS IN A LAWN.—See *C. & D.*, October 27, 1917, p. 56. (2) LAWN-SAND.—See *C. & D.*, November 3, 1917, p. 52.

Acaciæ (105/66).—(1) AMERICAN LINIMENT.—See *C. & D.*, March 30, p. 52. (2) UNIVERSAL LINIMENT.—See *C. & D.*, February 17, 1917, p. 52.

G. C. (105/47).—We cannot think of any substance having the selective solvent action you refer to. If you explain what object you are seeking to attain, we might be able to make suggestions.

W. H. D. (104/46).—BOOK ON MILK-ANALYSIS.—Pearmain and Moor's "Analysis of Food and Drugs. Part I. Milk and Milk Products" (Baillière, 6*s*.) will suit your purpose.

J. C. (104/42).—ARTIFICIAL SMOKE-CLOUDS are made by means of stannic chloride, ammonium chloride, or asphaltum. The last-named is employed where dark-coloured clouds are required.

J. & A. (97/7).—POISONING A DOG.—It is not a good plan to sell poison for this purpose. One of the reasons is that it requires some experience to administer prussic acid (the best poison for destroying dogs) which not many people possess. On this account chemists and veterinary surgeons generally require that the animals to be poisoned be brought to the pharmacy or surgery.

Highbury (99/52).—We think that formalin would be the least objectionable of the preservatives you mention for adding to the water with which casks are filled to preserve them. Salt water would probably be the next least objectionable filling, but it would take several soakings with plain water to rid the casks of the salt which will have permeated the wood.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1868

The Press on the Pharmacy Bill.

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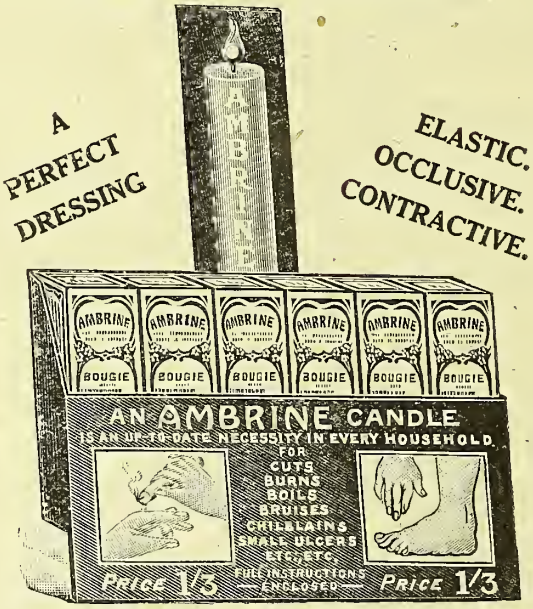

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THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICES: 42 CANNON STREET, LONDON, E.C.4

JUNE 22, 1918.

Advertisements for this Supplement must be received not later than First Post on Thursday Morning.

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7.—LONDON, N.W. (Main Thoroughfare).—Good-class Business; Retail and Dispensing; net profit exceeds £500; well-appointed shop, nicely fitted and fully stocked; valuation terms would be considered, or lump sum offer.

8.—NORTH OF ENGLAND.—Retail and Dispensing Business; returns show a steady increase, and are now about £850; good prices are obtained; small residence; rent £32; no immediate opposition; terms, valuation of stock and fixtures, about £250.

9.—HANTS.—For immediate disposal, through ill-health, old-established Business; no serious opposition; returns about £900; small residence; rent £35; lease if wished; terms, valuation of stock and fixtures.

10.—YORKS.—Middle-class Retail; no side lines except a little Optical; N.H.I. could be added to advantage; returns last year between £950 and £1,000; *net profit about* £350; double-fronted shop; comfortable residence attached; rent £35; price £325, or near offer for quick sale; ill-health cause of transfer.

11.—HERTS.—Well-established Business, situate in pleasant country district; position good; retnrns average about £900, with *net profit* £250; rent £45; lease if desired; comfortable residence, garden; terms, valuation of stock and fixtures.

12.—SURREY (Suburb).—Good-class Retail and Dispensing Business, with Optical connection, in select residential district; returns about £2,500 per annum; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably.

13.—SOUTH COAST.—Retail Dispensing and Photographic; all good middle-class trading; returns over £2,500; terms, goodwill and fixtures, £300; stock by valuation.

14.—HOME COUNTY (Health Resort).—Modern Pharmacy, situate in principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

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LANCASHIRE; manufacturing town; sound Retail; doing £1,700 a year, including N.H.I., £350; net profit £420; well stocked and easily worked; good house attached, with every convenience and low rent; price £650. "Sodium," c/o Ayrton, Saunders & Co., Hanover Street, Liverpool.

LONDON.—First-class Business for Sale in good-class suburban district; returns £2,500; good profits; reasonable price. Apply 179/38, Office of this Paper.

MANCHESTER.—Excellent cash Drug Store; man called up; near railway station; closed at 6 o'clock; lock up; rent 12*s.* 6*d.*; electric light, cellar; little doing now (£7); owner could easily take £15; stock could be reduced that valuation (all that is asked) would come to less than £100. Apply 181/26, Office of this Paper.

NORTH-WEST SEASIDE RESORT; returns during last twelve months, £900; rent £30; much more could be done, as proprietor had bad health during the period; comfortable house attached; price, valuation about £380 or so. Apply Thos. Tomlinson & Son, Valuers, 45a Market Street, Manchester.

SOUTH WALES.—Drug Stores; established 16 years; takings over £1,000 a year; profits about £350; could be increased under qualified management; profitable business with wine licence; healthy district; free from raids; owner called up; bargain to immediate buyer, £500. "Stores" (178/7), Office of this Paper.

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DEATH VACANCY.—Unopposed country Retail Business; average returns the last three years, £1,090; books well kept; large agricultural district. Apply 179/26, Office of this Paper.

DRUG Store for Sale; South Birmingham; profitable and progressive trade; good prospects for qualified or unqualified person; good reason for selling; goodwill, etc., moderate; stock at valuation. Write 178/11, Office of this Paper.

DRUG STORES (long established).—Thriving little Business in busy working-class district; splendid opening for N.H.I. and Dentistry; none done near; suit qualified or unqualified; £100; owner must sell; West London suburb. Write 181/32, Office of this Paper.

HIGH-CLASS Retail and Dispensing Business for disposal, within a few miles of Manchester; price required about £500. Full particulars on application to 171/21, Office of this Paper.

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3.—HERTS (Market Town).—Most desirable Light Country Retail; easily worked; returns about £900; good profits; good house, bathroom, etc.; very best position; well stocked; price for prompt sale, simply valuation, under £400.

4.—YORKS (Death Vacancy).—Old-established country Retail, pleasantly situated; present returns, under female, £10 to £12 a week, can easily be doubled; good house and premises; price for quick sale £150, or offer; less than valuation.

5.—LONDON, S.W.—First-class Dispensing and Retail Business; same hands many years, retiring; returns nearly £1,350; net profit £352, after paying Assistant; handsome shop, in finest position; can do £2,000 a year; price £800; personally inspected and strongly recommended.

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7.—LONDON (Essex Suburb).—Very profitable cash Retail and Prescribing, with own specialities; returns £15 to £16 weekly, increasing; net profit over £300; low rent; fully stocked; price £475; part can remain; trial allowed.

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BUSINESSES FOR DISPOSAL (*continued*).

£350 WILL purchase sound Retail Business in West London, returning £26 weekly, besides N.H.I.; middle-class neighbourhood; very profitable trade; low rent; good house; illness sole cause of sale; half could remain if required. Apply Messrs. Berdoe & Fish, Valuers, 35 Jewry Street, Fenchurch Street, E.C. 3.

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ADVERTISER is prepared to pay cash for Live Business in or near Cheshire or West Lancashire; market town in agricultural district preferred. Apply 181/4, Office of this Paper.

BUSINESS with turnover £1,500 up. State full particulars in first instance, "Holt" (179/1), Office of this Paper.

SMALL Drug Stores; suit unqualified; town or country, with house accommodation; neglected one would do if an opportunity of working it up. State particulars and price for cash, or part cash and balance by instalments, which must be reasonable, "Drugs" (181/10), Office of this Paper.

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MANUFACTURERS of fine Chemicals, Drugs, Perfumery, Products, makers of all kinds of Pharmaceutical and Toilet articles and distillers of Essential Oils, who are desirous of being represented in Egypt for the introduction and sale of their goods, should communicate with Vassiliadis & Feinberg, 6 Sherif Pacha Street, Alexandria; wide experience; first-class connection among Chemists and Druggists; high references.

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COMFORTABLE Board and Lodgings may be had from Mrs. Williams, 31 Hemberton Road, Clapham; highly recommended by three Chemists at present there; near schools. Apply 105/53, Office of this Paper.

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RETAIL.

BALHAM.—Assistant required; ineligible or discharged; permanency, trustworthy, and capable; with knowledge of photography; abstainer preferred; good salary to competent man. Apply by letter, 179/5, Office of this Paper.

BLACKPOOL.—Wanted, an active, qualified Manager; ineligible. State age, experience, and salary required to R. Needham, Chemist, Stalybridge.

BLACKPOOL.—Assistant wanted; male (ineligible) or female. Send usual particulars to the New Road and Layton Pharmacy, 241 New Road, Blackpool.

BRIGHTON (outdoors).—Assistant required (at once); Dispensing and Retail; easy hours. Apply with full particulars, and photo if possible, J. Colby & Co., 101 Western Road, Brighton.

CARDIFF.—Duck & Son, Chemists, St. Jonn's Square, have vacancies for two Assistants (Lady or Gentleman). Apply stating usual particulars and salary required (outdoors).

CHELTENHAM.—Assistant; reliable Dispenser; in- or out-doors; business hours 8.30 a.m. to 7 p.m., evening duty 7-9 p.m. twice a week. Beetham & Clark, Cheltenham.

EASTBOURNE.—Wanted (at once), lady or gentleman Junior Assistant (outdoors) for high-class Dispensing business. State salary, with usual particulars, enclosing oarte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GLOUCESTER.—Wanted, experienced lady Assistant; good Dispenser and general knowledge; easy hours; outdoors; two kept; Midland market town; good-class Dispensing and Light Retail. Salary, photo, etc., Ward & Woodman.

HARROGATE.—Wilsons, Ltd., Chemists, require an unqualified Assistant. Give full particulars and salary asked to 40 James Street, Harrogate.

LEAMINGTON SPA.—Young lady Assistant, with some experience, for Dispensing and Counter; high-class Dispensing and Light Retail business. Apply, with full particulars, to A. Waldron, 5 Warwick Place, Leamington.

LLANDUDNO.—Lady Assistant (preferably qualified) wanted, with Retail and Dispensing experience. Send full particulars, with photograph, to Kate N. Horniblow, 4 Queen's Buildings, Llandudno.

LONDON, E.—Wanted, unqualified Manager for Drug Stores; active, elderly man would suit; scope for increase; commission given; house free. Apply, with full particulars, references, and wages required, Travis's Drug Pharmacy, 203 Whitecross Street, E.C. 1.

LONDON, N.—Lady Assistant (immediately) for good-class Retail, Dispensing, and Photographic; whole day off weekly. State salary, etc., W. H. Hall, 31 The Broadway, Crouch End, N.

LONDON, N.W.—Assistant wanted; unqualified; outdoors; must be well up in Dispensing and Retail; two kept. Apply, with particulars, salary required, to 174/39, Office of this Paper.

LONDON, N.E.—Lady or ineligible Gentleman Assistant for Dispensing and Counter; short hours. State age, experience, and salary required (outdoors), "B. T." (175/21), Office of this Paper.

LONDON, S.E.—Wanted, an Assistant (lady or gentleman) for Dispensing and assist at Counter; outdoors. Apply, with full particulars of experience and salary required, to J. W. Rumsey & Son, 535 Lordship Lane, S.E. 22.

LONDON, S.W.—Good opening for an unqualified Assistant; capable Dispenser and Counterman; permanency; excellent prospects. State age, whether married, and salary required, "K. R." (108/200), Office of this Paper.

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LONDON, W.—Wanted (at once), lady Assistant for Dispensing and Counter duties; must be quick and accurate Dispenser, and have had previous experience in good Chemist; hours 9 to 6, Saturdays 1 o'clock. Apply, with particulars, experience, and salary required, to Hospitals and General Contracts Co., Ltd., 19 to 35 Mortimer Street, W.

LONDON, W.—Wanted, a Dispensing Assistant (qualified or unqualified); ineligible; outdoors. Write, giving fullest details of experience, references, and salary, to John Atkins, Chemist, Queen's Road, Bayswater, W. 2.

LONDON, W.—Part-time (afternoons); lady, with shop experience, to assist in first-class Dispensing and making preparations. Apply by letter to 180/31, Office of this Paper.

MANCHESTER.—Qualified Locum wanted for about two months; special salary offered to good man with first-class references. State particulars to 179/14, Office of this Paper.

MANCHESTER.—Assistant wanted for good-class Retail and Dispensing business. Full particulars to J. S. Breese, Pharmaceutical Chemist, Rusholme.

MANCHESTER.—Qualified Assistant wanted; hours 8.30 to 7, Saturdays 1 o'clock; little N.H.I.; no Sunday duty. Apply, stating full particulars and salary required, to Burgons, Ltd., 19 Ackers Street, C.-on-M., Manchester.

MANCHESTER DISTRICT.—Elderly qualified Chemist required; duties light; comfortable position. State age, references, and salary required to 179/11, Office of this Paper.

MANCHESTER DISTRICT.—Wanted, lady Assistant; unqualified; accustomed to Counter work and to assist with Dispensing. State age, experience, salary required, etc., 180/15, Office of this Paper.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 180/20, Office of this Paper.

ROSS-ON-WYE.—Lady or gentleman as Dispenser for three or four weeks during holidays; good hours; light duties. Full particulars to Hart, Ph.C., Ross-on-Wye.

SHEPHERD'S BUSH (Main Road).—Required, lady Assistant (Apothecaries' Hall); N.H.I. Dispensing, Stock, and occasionally Counter; hours 4-8, Saturdays 9 p.m.; whole time considered. Particulars to 105/22, Office of this Paper.

SOUTH OF ENGLAND.—Assistant required (male or female); free removal; permanency with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

STALYBRIDGE.—Wanted, an Assistant for Mixed Retail and Dispensing. Apply, with full particulars, age, experience, salary, etc., to Innes & Son, Chemists, Stalybridge.

TORQUAY.—Junior Assistant (ineligible) for high-class Retail and Dispensing business; in- or out-doors. Apply, stating age and salary required, to H. F. Bourne, 11 Strand, Torquay.

WEST LONDON HOSPITAL, HAMMERSMITH ROAD, W. 6.—Head Dispenser required about August 1st; must possess diploma of Pharmaceutical Society (Major or Minor); selected candidate would be required to attend previous to above date in order to become acquainted with the necessary duties. Apply, giving full particulars regarding age, salary required, qualifications, etc., with copies of recent testimonials, to the Secretary.

AN energetic gentleman, who must be over military age, to assist in the management of Retail and Dispensing business in centre of populous town; applicants need not be qualified, but must have all-round knowledge and experience of the Drug trade, and be able to produce undeniable references. Apply 179/25, Office of this Paper.

ASSISTANT (ineligible), unqualified, outdoors, for good-class business; must be capable and have good references. State salary and full particulars, Rayner & Son, Uxbridge.

ASSISTANT wanted, either sex, to take the place of a man called up for military service. Apply, stating full particulars, to Gregory & Wrenn, Chemists, Taunton.

BRADLEY & BOURDAS, 48 Belgrave Road, S.W. 1, require a lady Assistant for Dispensing; Hall qualifications. Particulars and salary required to Mr. Taylor.

CAPABLE Dispenser, Bookkeeper, and Surgery Attendant required (shortly) by Doctors in South London; good post for suitable man or woman; held by late incumbent 14 years. Apply, by letters only in first instance, stating age, experience, and salary expected (send no photographs nor testimonials), 135 Hill Street, Peckham, S.E. 15.

CAPABLE Assistant; must have Minor qualification and be ineligible for Army; plenty of work, but easy hours. Write, stating age and salary required (outdoors), references essential, 180/6, Office of this Paper.

CHEMIST; unqualified; rejected or discharged from the Army; must have good references. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

DISPENSING Assistant (qualified or unqualified); ineligible for Army; outdoors; permanency; hours 8 to 6. Write, giving fullest details of experience, references, and salary, to Manager, Junior Army and Navy Stores, Ltd., Aldershot.

JUNIOR wanted; good Dispenser; ineligible or discharged soldier. State salary and experience to C. J. Allan, Chemist, Redcar, Yorks.

LADY Assistant or discharged Soldier (part-time not objected to); Minor, Counter and Dispensing; good-class business; South Coast town. Apply, with particulars and references, to Longman, Littlehampton.

LADY Assistant; competent Counter hand and Dispenser; permanency; progressive salary; Midlands. "L. A. M." (108/202), Office of this Paper.

LADY Assistant; London; experienced Dispenser and capable at the Counter; permanent position. State age, salary required, and when at liberty, "L. A. L." (108/201), Office of this Paper.

LADY Assistant; Yorks, West Riding; comfortable permanency for capable young lady who has had some experience in Dispensing and Counter work. "L. A. Y." (108/2), Office of this Paper.

LADY Assistant for Dispensing and Counter. State age, experience and salary, photo required (outdoors), Harry Wetton, The Pharmacy, White Street, Coventry.

LADY Locum wanted for four weeks during August (if possible); qualified or not; good salary; outdoors; easy work; no Sunday duty. Apply, stating age, salary expected, qualifications, etc., Percy T. Harris, 183b King's Road, Chelsea.

LADY Dispenser, Hall qualification, requires Locum work beginning July; Midlands preferred. Smith, 29 The Grove, Clacton-on-Sea.

LOCUM TENENS.—Qualified or otherwise, required from June 24th to end of August (Liverpool district). State usual references, experience, salary required, to Mandalay, c/o John Thompson, Ltd., 58 Hanover Street, Liverpool.

LOCUM, junior or lady, for month July; competent Counter hand and Dispenser; outdoors. Apply F. White, Ltd., Chemists, 157 Commercial Road, E.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

PART-TIME Assistant wanted; would suit Student attending a South London school, or a gentleman who can spare five evenings weekly; Clapham district. Apply Banbury, Chemist, 390 Walworth Road, S.E.

QUALIFIED lady or gentleman wanted for Light Retail and Dispensing; N.H.I.; good salary; no Sunday work. Knight, 21 Merton Road, Wimbledon.

QUALIFIED Branch Manager wanted; good experience of management and knowledge of photography; must be ineligible for military service; references must bear strictest investigation; good salary and commission to good man. Apply 181/11, Office of this Paper.

QUALIFIED Assistant wanted; Sheffield. Apply 108/53, Office of this Paper.

QUALIFIED young man, single and rejected or discharged, required immediately; permanency, with good prospects of advancement. Please state age, salary required, and when at liberty, "H. L." (108/203), Office of this Paper.

QUALIFIED Manager, over military age or rejected, required for first-class business in the provinces; splendid opportunity for a capable and energetic man. "H. L." (108/204), Office of this Paper.

QUALIFIED Assistant; ineligible; outdoors; chiefly for Dispensing; short hours. Apply, giving full particulars, with salary required, to E. Bing & Son, Pharmaceutical Chemists, Canterbury.

RELIABLE Assistant wanted; good Counterman essential; ineligible; references must bear strictest investigation; permanency and good salary to right man; qualified or unqualified. Apply 181/22, Office of this Paper.

REQUIRED, lady Assistant for Counter, with good knowledge of Drugs and Toilet articles; good salary and commission on sales. Apply personally, or by letter, to the Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

SAVORY & MOORE have a vacancy for Dispenser; male or female; good experience necessary. Write, giving full particulars, with salary required, to Manager, 143 New Bond Street, W. 1.

TEMPORARY assistance for a few weeks; hours 9 to 7.30; from £3 10s. to £4 10s. a week, according to experience and qualification. Apply Manrieve & Co., 42 Oxford Street, W. 1.

PHARMACEUTICAL SOCIETY OF IRELAND.

THE Council of this Society will, on July 9, 1918, proceed to the appointment of an Examiner to conduct the Pharmaceutical and General Chemistry Division of the Pharmaceutical License Examination, subject to the approval of his Excellency the Lord Lieutenant and the Privy Council of Ireland.

Full particulars will be supplied by the Registrar, with whom applications should be lodged not later than the 1st proximo.

ARTHUR T. FERRALL,
Registrar.

67 Lower Mount Street, Dublin,
June 1918.

UNIQUE OPPORTUNITY.—Smart competent Business Man, under 40 preferred, to manage small business in West-End, near Regent Street; remuneration £5, and substantial commission; must be a good Salesman and Prescriber; active, capable, and industrious; best credentials only acceptable; no Sunday duty, half-day Saturday. Send photo if possible, and particulars (in confidence) of the last four situations, "Ringwood" (182/18), Office of this Paper.

UNQUALIFIED Assistant for Insurance Dispensing and Counter work; lady, or gentleman free from military obligations. State fully detailed particulars as to career, experience, and salary required, Prosser's, Limited, Walkden, Manchester.

WANTED, qualified energetic man not liable to military duty. Apply, with full particulars, to Samuel Shelley, Ltd., The Old Pharmacy, Market Place, Bilston, Wolverhampton.

WANTED, Locum for about two weeks in September. Write, giving dates at liberty and usual particulars, to Dales, Chemist, Stairfoot, Barnsley.

WANTED at Hill House Military Hospital, Minster, Ramsgate, lady Dispenser, capable of Urinalysis work; salary £3 per week. Apply Commanding Officer.

WANTED, evenings for Insurance Dispensing; 6-8.30; no Thursday or Sunday; lady or gentleman. H. E. Matthews, Ltd., 66 Kennington Park Road, S.E. 11.

WANTED, lady Assistant with Dispensing experience; opportunity to obtain experience in Bacteriological Laboratory. State experience and salary, Alpe & Son, Pharmacists, Wymondham, Norfolk.

WANTED, reliable, capable, unqualified Assistant; under 45 years; knowledge of Photography or Optics preferred; comfortable berth near London; commencing salary 70s. weekly. Apply 107/60, Office of this Paper.

WANTED, qualified Manager or Assistant; ineligible; active; Light Retail, with some N.H.I. Dispensing; undeniable references required; state when at liberty; salary £300 per annum. Apply "Zemo" (181/30), Office of this Paper.

WANTED, Locum, qualified or unqualified, for two weeks; London. Write, stating terms, to 181/15, Office of this Paper.

WANTED, Managing Assistant at an early date, discharged or ineligible, married, to live over premises, for Light Retail, Dispensing, and Photographic business; North London suburb. Usual particulars to "X. Y. Z." (181/14), Office of this Paper.

WANTED, qualified Assistant in Northumberland; lady or gentleman; single; easy hours; light, good-class Retail; comfortable berth; please state salary required and references. Apply 180/38, Office of this Paper.

WANTED, qualified lady or gentleman (ineligible) to develop Pharmacy side of a prosperous branch at Barry Dock; easy hours. Apply, with full particulars of experience, age, and, salary required, to W. T. Hicks & Co., 28 Duke Street, Cardiff.

YOUNG lady Dispenser, with Counter experience, required for Highgate district; must have Apothecaries' Hall qualification. Apply personally, or by letter, to Parke's Drug Stores, Ltd., 65 Harmood Street, N.W. 1.

£3 WEEKLY (outdoors).—Wanted, in a good-class Pharmacy, a qualified (Minor) lady Assistant. Apply T. E. Williams, Ltd., Chemists, Caerphilly, near Cardiff.

WHOLESALE.

LANCASHIRE.—Tablet Maker; one with experience of Pill-making and Coating preferred; Assistant Pan and Still man; competent Drug Storekeeper; non-union. State experience and wage required for these vacancies, 180/22, Office of this Paper.

ASSISTANT wanted for the manufacture of Toilet specialities, etc.; ineligible; permanent position. Apply, stating age, previous experience, and salary required, J. Knox Walker & Co., Ltd., 422 Kingsland Road, London.

CHEMIST required for East London Factory; good knowledge of Organic. Write, stating age, qualifications, experience, and salary expected to Box 531, Sells, Ltd., 168 Fleet Street, E.C. 4.

FACTORY Manager (ineligible) required by well-known Food Manufacturing Company; must be competent to take full charge of all work and labour; experience in connection with packing small packets in large firm most essential; good salary will be paid to the right man. Write, stating age, salary required, and full particulars, of experience, to Z. F. M., care Deacon's, Advertising Offices, Leadenhall Street, E.C. 3.

LABORATORY Assistant for manufacture of Creams and Pomades; similar experience desirable, but not essential; must have a good elementary knowledge of Drugs and Chemicals, and be ineligible for His Majesty's Services. Write, stating age, experience (if any), and salary required, to Box 502, c/o Mitchell's Advertising Agency, 1 Snow Hill, E.C. 1.

LADY (preferably qualified) to act as Works Manager in growing Wholesale Manufacturing business; Midlands. Apply 107/43, Office of this Paper.

MANAGING Assistant wanted (at once) by firm of Birmingham Wholesale Chemists; qualified preferred, but must be exempt from Army or ineligible; easy hours, no Sunday duty; permanency, with good prospects. State salary required and all particulars of buying and manufacturing experience, to 181/38, Office of this Paper.

MAN wanted to assist in Manufacturing Laboratory. Baiss Bros. & Co., Ltd., 174/176 Grange Road, Bermondsey, S.E. 1.

PHOSPHORIC ACID,
CREAM POWDER,
AND ALLIED PRODUCTS.

EXCELLENT OPENING FOR AMBITIOUS YOUNG CHEMIST.
Apply, with full particulars of experience, to Box 101/74, Office of this Paper.

QUALIFIED lady Assistant for a Mixed business in the County of Durham. Apply, giving full particulars as to age, experience, and salary expected, to "Rex," c/o John Ismay & Sons, Wholesale Manufacturing Chemists, Newcastle-on-Tyne.

REQUIRED, a good Attendant for Motor Van; knowledge of Drug trade preferred; good wages. Apply by letter only to B. S. L., 44 Southwark Street, S.E. 1.

SALESWOMAN required (at once) for Drugs, Surgical Dressing, and Sundries; one used to measuring for Surgical Hosiery and Belts preferred; good wages and commission to suitable applicant. Apply personally, or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

TRAVELLER required to call upon Doctors and Chemists in the North of England; free from military duties. Apply by letter, giving full particulars and salary required, to 109/100, Office of this Paper.

TYPIST Junior required for City Wholesale Druggists; must have had previous experience. Apply by letter, giving full particulars and salary required, to 109/1, Office of this Paper.

UNDER-WAREHOUSEMAN, with good knowledge of Drug trade. Apply, with full particulars, 108/18, Office of this Paper.

WANTED, for Midlands, qualified or unqualified man with some experience of the Wholesale, and managing a small staff; one with ability and push will be well remunerated; hours 8 till 6 daily; a good opening for an enterprising individual. Apply "Statim" (175/20), Office of this Paper.

WANTED, capable Assistant, permanency, with knowledge of making Toilet preparations, Chalk Blocks, etc.; splendid progressive position for suitable man. Apply Barron, 155 and 157 Oxford Street, London.

WANTED, Forewoman for Pill department. Apply, stating age, experiences, and salary required, Reynolds & Branson, Ltd., Leeds.

WANTED, for a large Bacteriological Laboratory in London, an experienced Technical Assistant; must be proficient in Media making, and have sound practical knowledge of Laboratory methods; commencing salary £3 per week. Write, stating age and experience, with references and copies of recent testimonials, to "L.," Box 879, Benson's, Atlantic House, Holborn Viaduct, E.C. 1.

WANTED for provincial Wholesale house, qualified man to take charge of Packed Goods department; must be ineligible for Army or discharged; state fully experience, salary required, age, and enclose copies of testimonials; permanency, with good prospects to right man. Apply 169/19, Office of this Paper.

WANTED by a London House in Bottle Department, a man with experience of keeping stock of Druggist's bottles; must have had good practical experience. Apply by letter, stating age and wages required, to "Bottle Department" (106/100), Office of this Paper.

WANTED (at once) by a London House, experienced Laboratory Assistance for the manufacture of Galenicals. Apply, stating age, exemption, and salary required, to "Cascara" (106/10), Office of this Paper.

WET and Dry Floor Assistants required. Apply, with full particulars, 108/180, Office of this Paper.

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3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

RANGOON.—E. M. de Sonza & Co. require qualified Assistant; ineligible; about 25; salary 300 rupees per month 325/350; three years' agreement; good prospects; passage paid out and home. Apply E. M. de Souza & Co., 44 Holborn Viaduct, E.C. 1.

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[HOME.]

RETAIL.

AS Locum; permanency; experienced all branches; reasonable terms; Hants or South Coast preferred. Apply 181/29, Office of this Paper.

DISENGAGED qualified gentleman, elderly, active, wide experience, desires appointment in light business. Apply 181/100, Office of this Paper.

DISPENSER, Hall certificate, experienced, good testimonials, desires post Hospital; Southern Counties; would take locums. Miss Gordon, 66 Redcliffe Square, S.W. 10.

DISPENSER, Doctor's or Chemist's, disengaged; London and N.H.I. experience; married; no family. Chemist, 10 New Street, Falmouth.

DISPENSER; lady; disengaged; Doctor or Institution; Hall; testimonials. H. Hartington, Combe Road, Teignmouth.

DISPENSER; experienced; free; first-class references. C. S., 19 Rockmount Road, S.E. 19.

ELDERLY gentleman seeks position as Supervisor and Manager; town or country; qualified. Apply 181/1, Office of this Paper.

HOSPITAL Dispenser; locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

LADY Dispenser, Hall certificate, requires post with Doctor; South of England preferred. Apply Allanson, 6 Cambridge Road, Hove, Sussex.

LADY Dispenser (Apothecaries' Hall certificate) desires situation in Hospital or with Doctor in London; preferably South. H. Newbolt, 40 Rosebery Road, Clapham Park, S.W. 2.

LADY Dispenser, Hall qualifications, desires post, Institution or Doctor preferred, in Wales or North Country. Owen, 29 Dinorwic Street, Carnarvon.

LADY; Minor student; all-round experience; Bournemouth district. "Mamselle," 1 Wootton Mount, Bournemouth.

LADY Dispenser, Hall qualification, requires Locum work; Birmingham preferred. Apply 180/21, Office of this Paper.

LOCUM; competent all branches; unregistered; 41 years; married; N.H.I. qualification; conditional exemption; Grade III.; highest references; few vacant dates. "Dispenser," 34 Cawdor Road, Fallowfield, Manchester.

LOCUM; lady Dispenser; qualified; Hospital experience; fortnight July, August, or September; Doctor or Institution. Apply "Dispenser" (178/39), Office of this Paper.

LOCUM; lady, Minor; Hospital or good-class shop (Dispensing only); Edinburgh or district. Apply 179/30, Office of this Paper.

LOCUM (qualified) for four or six weeks from about 6th July. Particulars to Mitchell, Chemist, Gretna.

LOCUM.—Experienced lady Dispenser desires engagement during July; London or East Yorks. Apply 178/5, Office of this Paper.

LOCUM or permanent; over military age; all-round experience; steady and reliable; Photography and Dentistry. State salary offered, Manager, 115 Admiral Street, Liverpool.

LOCUM Dispenser; Hall; experienced; disengaged after July 1st; seaside preferred. Miss Saul, 129 High Street, Brentwood, Essex.

LOCUM; qualified; experienced; Pharmacy, Institution; abstainer. "Pharmacist," c/o Bradbura, 18 Queenhithe, E.C.

LONDON OR COUNTRY NEAR.—Qualified man requires situation in good-class business as Dispenser, Assistant, or Manager; Photography; no objection temporary engagement; outdoors; over military age. A. C. T. Smith, 9 Bexhill Road, Crofton Park, S.E. 4.

MANAGER; qualified; experienced; 32; Grade 3; good-class Dispensing and Photographic; with view to succession preferred. Full particulars to 179/10, Office of this Paper.

MANAGER; locum; temporary or permanent; 42; qualified; experienced. Apply 179/9, Office of this Paper.

MANAGER or Assistant; unqualified; 52; disengaged; London only. Hodie, 15 Fletching Road, Clapton.

MANAGER, ineligible, up-to-date experience, steady and reliable, first-rate references, or with view to succession. Full particulars, "Ipecac" (179/100), Office of this Paper.

PART-TIME.—Pharmacist's wife would give few hours weekly in exchange for Unfurnished Apartments; 20-30 miles W. or S.W. London, or South Coast; used to Counter and Stock; additional hours or relief by Pharmacist by arrangement. Apply 181/2, Office of this Paper.

PHARMACISTS that urgently require a competent, qualified, energetic and trustworthy Manager or Locum should please return the address and wire or write to me, John Williams, 14 Penn Road, Wolverhampton.

QUALIFIED Locum; Branch; part-time. Chemist, 26 Telford Road, Westbourne Park, W.

QUALIFIED; 31; Grade III.; Dispenser or Manager; end of July; with or without view succession; Liverpool or North-West preferred. Apply 179/16, Office of this Paper.

QUALIFIED Chemist (30), Grade III., desires position as Manager of Dispensing business, where versatility and business-building ability will receive first-rate salary. Ph.C., 10 Lynette Avenue, S.W. 4.

UNQUALIFIED; 30; married; good Counter and Dispensing experience; discharged from Army; state salary and hours; London preferred. "Fortis" (181/5), Office of this Paper.

UNQUALIFIED; Grade III.; 10 years' Dispensing, Counter, and Photography experience; disengaged. Full particulars to "Provincial" (181/23), Office of this Paper.

WANTED, by an experienced elderly man, in the Wholesale or Retail; any capacity; abstainer. D. Burbidge, 59 Fleet Road, Hampstead, N.W. 3.

YOUNG lady Assistant; fairly good Dispenser; some Counter experience; willing, good address. Apply Simpson, Manor House, Beckenham Road, Beckenham, Kent.

WHOLESALE.

DUBLIN.—Traveller disengaged; birth certificate June 1867; sound experience Chemicals, Soaps, Packed Goods, etc.; first-class connection Wholesale and Retail; exceptional references. Apply 178/4, Office of this Paper.

EXPERIENCED Representative is open to act for first-class firm, or good agency amongst Wholesale houses entertained. Apply 180/28, Office of this Paper.

WORKS Chemist, qualified, exempt, also Retail and Hospital experience, requires Factory or office work. Apply 177/18, Office of this Paper.

WORKS Chemist requires responsible position. Fine chemicals; drugs; oils; waxes; essences; extracts; knowledge of modern manufacturing methods and plant; expert analyst and assayer; accustomed to control. 179/6, Office of this Paper.

YOUNG gentleman requires position as Traveller in Wholesale Drug house. Apply 179/23, Office of this Paper.

MISCELLANEOUS.

60 LB. Saccharin Tablets (½ gr. in 1), 330 strength; immediate delivery from stock; 155s. per lb.; cash with order. Bown, Chemist, 154 Cemetery Road, Sheffield. Telegrams, 2742 Sheffield.

5 DOZEN 13 × 18 cm. "The Ilford" Special Rapid Plates. What offers? 18 Market Road, N. 7.

FOR Sale, 2 cwt. Quilla Bark, 20 lb. Spike Lavender, 8 lb. Oil of Mace (expressed), ¾ cwt. Japanese Gelatine, 3 Leads Aniseed Oil. Reply 99/67, Office of this Paper.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

SHOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

100,000 SACCHARINE Tablets (½ gr. in 1), 1,000 21s. 6d.; 10,000, 21s.; cash with order, free registered post. W. Travis, 203 Whitecross Street, E.C.

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One halfpenny per word with name and address. One penny per word if we register the address and attach a number. No advertisement inserted for less than 6d.

FOR DISPOSAL.

DENTAL.

FOR Sale, 11 pairs of silver-plated Forceps in leather case; price 45s. or reasonable offer. Chemist, 13 Coniger Road, Parsons Green, S.W.

DRUGS AND CHEMICALS.

WHAT offers? 27 lb. Pot. Permang.; fine bright crystals. Terry, 324 Regent Street, W.

FOR Sale, 12 1-lb. Ol. Menth. Pip., B.P., 1 bottle, 21s. post free, £12 the lot f.o.r. Hudson, Chemist, Skegness.

GLAUBER or Epsom Salt, large or small lots; also Stone Bottles, suitable Rennet, etc. Apply 179/8, Office of this Paper.

8 OZ. Korean Ginseng, Panex Quinquefolium; in good condition; valuable specimens. What offer per oz.? Apply 178/38, Office of this Paper.

BEST offers in separate lots: 6 lb. Sacch. Lactis, 1⅝ oz. Validol, 2 oz. Cellotropin, 2 oz. Acetone-sulphite (Bayer's), ½ oz. Morphine Tartrate, ¼ lb. Extract Cannabis Indica, 2 oz. Sulphonal (Bayer's), 5 oz. Methyl Salicylas, ½ lb. Sanmetto, ⅛ Medium Listerine, ⅛ Cystopurin. Isaac, Chemist, Neath.

OPTICAL AND PHOTOGRAPHIC.

STEREO Camera "Klito," 30s. cash, shop soiled, new; Lantern or Lecturer's 8 feet Screen, white and slate reverse, rollers, pulleys, and cords, as new, 30s. cash; Wedgwood Mortar and Pestle, No. 8, second-hand, as new, cash 7s. 6d. Brisley, Chemist, Bexhill.

MISCELLANEOUS.

RONEO Duplicator as new, £5. "M.," 208 Tower Bridge Road, S.E. 1.

HAMMOND Typewriter, £10, as new. "M.," 208 Tower Bridge Road, S.E. 1.

COLD Cure Tablets, sugar coated, about 100,000, containing Quinine, Acetanilide, and Camphor; 10s. per thousand, or best offer, whole or part. Apply 179/15, Office of this Paper.

18 large round Paint Brushes, 24s.; 6 large oval Paint Brushes, 15s.; 6 medium oval Paint Brushes, 10s.; 15 special Varnish Brushes, £2 15s.; new condition, or £5 the lot.—Milnes, Lane Head, Brighouse.

WANTED.

THIOCOL Tabs. (5 gr.); each tablet stamped. McMullan, Chemists, Larne.

BRITISH Pharmacopœia. State date and price, "M.," 208 Tower Bridge Road, S.E. 1.

28 LB. Strontium Brom. Exsic.; also 2 lb. Strychnine Pure Crystal. Send lowest price to 107/68; Office of this Paper.

CHRISTY Blades, Gillette Blades, Gillette Razors, Phistol 1s. 3d. and 3s., Cassell's Saxin Tablets. Milnes, Lane Head, Brighouse.

3 DOZEN 1s. Sanitol Face Cream. Price, carriage paid, G. Cheethams, Ltd., Chemists, Louth, Lincs.

WANTED, 0, 1, 2, and 2a Brownie Films in date; retail price given. Hudson, Chemist, Skegness.

ARMOUR'S Peroxide Bath Soap, Fuo; two gallons Acetone Substitute; Mennenns' Talcum. Sharman, Northwood.

TRIAL Case, G.D. Chart, and Optical Accessories; best condition only. List and prices to "F. S. M. C." (177 9), Office of this Paper.

WANTED, small round Ointment Tins in large or small quantities; send specimen with price. Apply 181/3, Office of this Paper.

TURNED Wood Boxes wanted (dozens or grosses), about 2½ in. deep and 1 in. diameter, for Pills. Price and sample, Brisley, Chemist, Bexhill.

TABLET Manufacturer wanted to make up to 1 cwt. Tea Sweeteners weekly; Saccharine provided. Apply 105/46, Office of this Paper.

NATIVELL'S Digitalin Granules, Glyceriuc, Davenport's Skin Powder, Crème Simon. Price to Pemberton & Malcolm, 3 High Road, Willesden Green, N.W. 10.

NO. 1 Brownie, V.P.K., and 3a F.P.K. Films, good prices given; also Ol. Olivæ Opt., Pulv. Ac. Tart., and Saline Bottles. Walton, 427 Bury New Road, Manchester.

WANTED in exchange, second-hand small Camera Film or Plate for one Gillette Safety Razor, 21s., in case complete; condition as new. Apply 178/3, Office of this Paper.

WANTED, the address of Fancy Box Manufacturer, capable of turning out a large quantity of small boxes weekly in either Wood, Metal, or Card, suitable for miniature Puff Box. Apply Barron, 155 and 157 Oxford Street, London.

FLAT Gilt Tin Boxes; 1 oz. and ½ oz. Apply 174/29, Office of this Paper.

TRANSPARENT Envelopes; 3 in. by 4. Apply 174/290, Office of this Paper.

SPECTACLES, Eyeglasses, Lenses in large or small quantities. Particulars to Smith, Optician, 12a Lower Hillgate, Stockport.

TABLET Machine wanted for ¼ inch tablets if possible; "Eureka"; state price. Apply 78/46. Office of this Paper.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books; send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W.

4 OZ. Insect Powder Tins. State quantity and price, with sample. Also Tins holding from 5 oz. to 1 lb., and small Ointment Tins in any quantity. Harrison, Manufacturing Chemist, Reading.

SPECTACLE Lenses, Glazed Spectacles, any kind; Gold-filled Spectacle and Eye-glass Frames, Artificial Eyes and Barometers. State quantity, conditions, price, etc., Hebditch, "Parkholme," Christchurch Road, Doncaster.

JOB line Tins wanted, suitable for Boot Polish, etc. We are also buyers of Tin Plates, printed or plain. Also Cartons for same. "Brytenup" Polish Works, Marsh Lane, Preston.

SPECTACLE Lenses, Gold-filled Spectacle and Eyeglass Frames, in any quantity. Particulars and prices to Bishop & Vincent, 460 Holloway Road, N. 7.

ROLL Films (retail price given for fresh V.P.K., No. 2 Brownie; 1 J. & 2¼" B. Ensign); Cameras, new or second-hand, and Photographic Sundries. Particulars and Prices to Bishop & Vincent, 460 Holloway Road, London, N.

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WANTED BY

Watsons, Sheffield

All sizes, full wholesale price allowed for No. 2 Brownie, Vest Pocket Kodak, and No. 1 Brownie Spools.

Also Spools for Ensignette and Ticka Cameras, Film Packs all sizes, and Ensign or Wellington Films.

We will buy out-of-date films if not too old.

Don't keep anything photographic on your shelves.

If the area you live in is restricted, or your business quiet, pack all your photographic goods off to us. We'll buy them and see that you are not the loser.

Wanted CAMERAS of all kinds. Two-thirds retail offered for **Vest Pocket Kodaks** with R.R., or better, lenses, **Watch Pocket Carbines, No. 2 Folding Brownies, No. 1 Junior Kodaks** with R.R., or better, lenses, **Brownie and 3½-in. Developing Tanks.**

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Compare these prices before ordering. *WE* can save you about 30%

WHITE ABSORBENT COTTON WOOL (interleaved) in 1 lb. rolls, at **2/2** per lb.

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Packed in 1 cwt. Bales. Bales charged extra, 3/6 each.

Also packed in 56 lb. bales of each at 2/2½, 3/9½, 2/8½ respectively.
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Carriage paid on 56 lb. Bales 2/6 & 1/6 each. Cheque with Order.

Bales must be paid for, and allowed for when returned.

THE PRIMO DRUG CO., 5 Bury New Road, Manchester.

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Rubinat Water, any size (180/30)

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Order early. NET PRICES.

No. 39. Red **25/-** doz.; No. 45. Ex. Stout Bands ... ... **29/-** doz.
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Waterproof Circular from ... ... **5/6** „
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Manufacturers of

CARBOLIC ACID CRYSTALS, 40° C.
DETACHED CARBOLIC CRYSTALS, 40/42°C.
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All qualities of CRESYLIC ACID, etc.
ORTHO, META, and PARA CRESOLS, etc.
GLAUBER SALTS, B.P., and COMMERCIAL
LYSOL SUBSTITUTE "ACROSYL"

CONTRACTORS to the BRITISH and other Governments.

R. GIBBINS & CO.

WHOLESALE

Tablet Manufacturers,

1 Birkbeck Rd., Kingsland, London, E. 8

Price of Saccharin Tablets can be had on application.

Lode-Stone Wanted

(Natural or Artificial)

in any quantity. Must be light in colour — as nearly white as possible—with persistent magnetic attraction, and capable of picking up needles.

Samples and particulars to BOX 2010, JOHANNESBURG.

"Sweetleaf"

The most convenient

SUGAR

(substitute)

For sweetening beverages Supplied in booklets of 60. Handy for waistcoat pocket.

NEW IMPROVED ISSUE
9d. RETAIL.

Trade discount: 1 gross, 20%
10 gross, 25%

TERMS: CASH.

W. DIVINE, 104 High Holborn, LONDON, W.C. 1.

P.A.T.A. NOTICE.

The prices announced below will come in force as from the date of this issue :—

			Minimum Retail Price.	Minimum Wholesale Price.
	The British DiaMalt Co.'s Goods:			
1	Liquid DiaMalt	1 lb.	1/9	14/-
2	Taylor's Pharmaceutical Ext. of Malt	2 lb.	3/3	26/-
3	" " " "	4 lb.	5/9	46/-
1	Liquid Diamalt and 15 % by weigbt	1 lb.	2/3	18/-
2	Cod Liver Oil	2 lb.	4/3	34/-
3	Taylor's Phar. Ext. of Malt and 15 % Cod Liver Oil	4 lb.	7/6	60/-
1	Liquid Diamalt and 33⅓ by weight Cod	1 lb.	2/9	22/-
2	[Liver Oil	2 lb.	5/-	40/-
3	" " "	4 lb.	9/-	72/-
1	Taylor's Phar. Ext. of Malt and 50 %	1 lb.	3/9	30/-
2	[Cod Liver Oil	2 lb.	7/3	58/-
3	" " "	4 lb.	13/6	108/-

SACCHARINE TABLETS

(½ gr. 330 in 1)

		£	s.	d.	
1 lb.	- -	7	10	0	per lb.
2 "	- -	7	9	6	"
3 "	- -	7	9	0	"
5 "	- -	7	8	6	"
10 "	- -	7	8	0	"
20 "	- -	7	7	6	"
50 "	- -	7	7	0	"
100 "	- -	7	6	6	"

CASH WITH ORDER. CARRIAGE PAID.

RICHARD HOULT,
73 ELFORD GROVE - LEEDS.

Don't Worry over the Scarcity of Saccharin Tablets !

SELL

SUCRON

(*SUGAR SUBSTITUTE*).

7½*d.*, 1/2 & 2/3 per pkt.; 5/9, 11/- & 21/- per doz.

A cheque for £1 13*s.* 6*d.* will bring you 3 doz. 7½*d.*, 1 doz. 1/2, ¼ doz. 2/3, together with a smart showcard.

GREENWICH LEMONADE CO.
209 Trafalgar Road, GREENWICH.

SPEED WITH EXCELLENCE

Films developed and printed by experts and promptly returned. Liberal discount. Terms on application. Trial solicited.

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THERE IS MONEY

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STEAD & CO., Photographic Experts, Duke St., BRIGHTON.

TOILET and MEDICINAL Specialties.

We are in a position to **put-up** or **prepare** all kinds under experienced supervision. Inquiries (in strict confidence) will have our prompt attention.

F. H. PLEWS & CO., Sharratt St. Works, Canterbury Rd., S.E.

COTTON WOOL.

One-pound parcels. White, Absorbent, Interleaved.

56 lb. at 2/2½ per lb.; 1 cwt. at 2/2. *Carriage paid.*

Cash with order. Wrappers charged 3/6 and returnable. Super qualities at reasonable prices.

J. MILLS, *Chemist,* **Platt Bridge, WIGAN.**

DAMANCY & CO., HARROW.

SWEETENING TABLETS of Pure SACCHARIN COMPOUND

One equal to a teaspoonful of sugar. We are now in a position to offer these in quantities up to 250,000 to any one order.

14/- per **1,000**; **13/6** per **1,000** for **10,000.** Reduction for larger quantities. Cash with order.

TEA SWEETENERS

"ASPANCO" BRAND.

ONE EQUAL TO A LUMP OF SUGAR.

16/- per 1000, Post Free. Cash with order.

A. S. PRICE & CO. Ltd., Blackheath, Birmingham.

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HAVING DESTROYED THE BEETLES WITH HAWLEY'S I.K., "SUSAN" IS NOW ABLE TO READ IN PEACE AND COMFORT!

EVANS SONS LESCHER & WEBB LTD.

SKIN CREAMS *for* SUMMER SALE

The get-up of this Preparation is exquisite, each bottle being enclosed in an embossed carton of unique design and appearance. The fixed retail price is 1/- the bottle.

WE CAN SUPPLY THE FOLLOWING VARIETIES:

No.

1. Skin Cream
2. Benzoin Cream
3. Cucumber Cream
4. Milk of Cucumber
5. Sunburn Cream
6. Emollient Cream
7. Crème à la Violette
8. Witch Hazel Balm

No.

9. Elder Flower Lotion
10. Buttermilk Lotion
11. Liquid Cold Cream
12. Verbena Balm
13. Almond Cream
14. White Rose Cream
15. Milk of Roses

Carton Cameo Embossed Label in Gold and Colours.

In 2½ oz. York Panelled, each Bottle in Carton.

Price **6/9** per doz.; 12 Doz. **6/6** Carriage Paid.

NAME AND ADDRESS ONLY ON SIX DOZEN.

SPECIMEN Carton to show get-up posted on application.

PROPRIETARY NAMES.—Chemist's own Proprietary Name printed on orders of not less than 2 Gross.

The Standard Tablet Co. Ltd.
Hove Eng.

Printed for the Proprietors by SPOTTISWOODE, BALLANTYNE & CO., LTD., New-street Square, E.C. 4: and Published by the Proprietors at 42 Cannon Street, in the City of London.— *June* 22, 1918.